BLAUPUNKT NAVIGATION

TravelPilot RNS 150
7 612 001 172

TravelPilot RNS 150
7 612 001 173

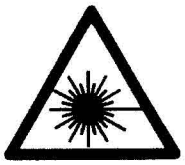
TravelPilot RNS 3
7 612 001 430/475/490

TravelPilot RNS 150 US
7 612 001 389

8 622 402 584 WG-KN 07/00

Schaltbild • Circuit diagram

CLASS 1
LASER PRODUCT



UNSICHTBARE LASERSTRAHLUNG
NICHT DEM STRAHL AUSSETZEN
LASERKLASSE 3B

(D) VORSICHT!

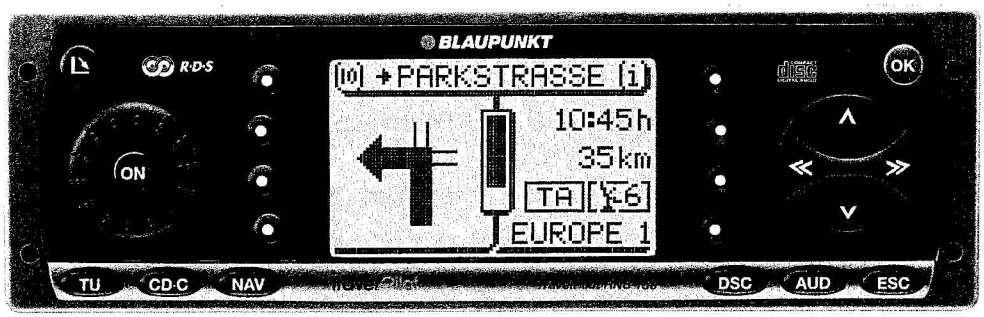
Das Gerät beinhaltet eine Laserkomponente! Im Servicefall nachfolgende Hinweise beachten:

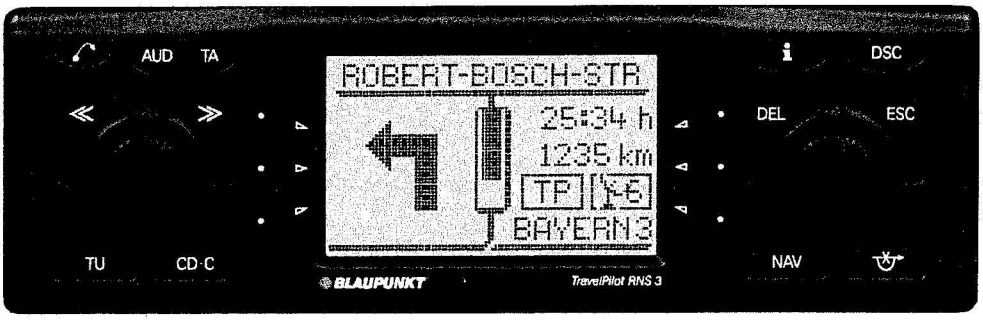
- Das Gerät arbeitet mit unsichtbarem Laserstrahl. Bei geöffnetem Gerät tritt im Bereich des Plattenfaches Laserstrahlung aus.
- Nicht in den Strahl blicken.
- Unbeteiligte Personen vom Arbeitsplatz fernhalten.
- Der Betrachtungsabstand darf 13cm nicht unterschreiten. Kann dies nicht eingehalten werden, muß eine geeignete Laserschutzbrille getragen werden.

(GB) CAUTION!

This unit contains a laser component! For service observe the following important instructions:

- The unit operates with an invisible laser beam. When the cover is removed, near the disc compartment, invisible laser beams are apparent.
- Avoid direct eye contact with these beams.
- Keep other people away from the working place.
- The viewing distance should not be less than 13cm. If this distance cannot be ensured, use suitable laser safety goggles.





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Block diagram 3

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Layout GPS board 0775 A08 28
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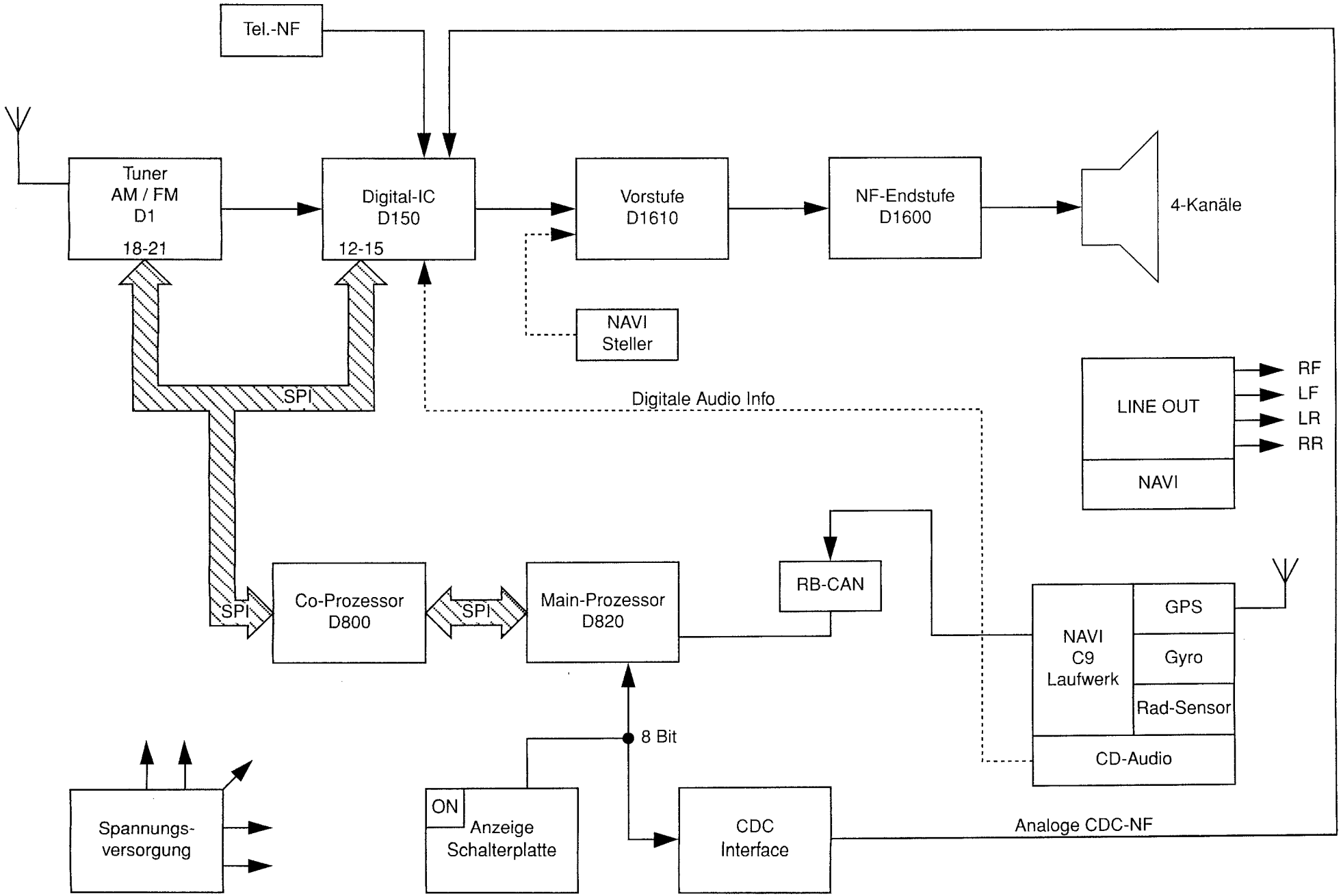
Layout Key board 0910 A05 .....51 - 52
Layout Key board 3668 D02 .....47 - 48
Layout Main board 3756 D02 .....20 - 24
Layout Power board 0277 A13 46
Layout Processor board 0849 A01 .....41 - 42
Layout RF board 0276 A04 25

Limiting value 4

Power supply (diagram) 5

SPI-Bus (diagram) 6


Tel.-NF
Tuner
AM / FM
D1
18-21
Digital-IC
D150
12-15
Vorstufe
D1610
NF-Endstufe
D1600
4-Kanäle
NAVI
Steller
SPI
Digitale Audio Info
LINE OUT
NAVI
RF
LF
LR
RR
SPI
Co-Prozessor
D800
SPI
Main-Prozessor
D820
RB-CAN
NAVI
C9
Laufwerk
GPS
Gyro
Rad-Sensor
CD-Audio
8 Bit
Spannungs-
versorgung
ON
Anzeige
Schalterplatte
CDC
Interface
Analoge CDC-NF

Grenzwerte

Versorgungsspannungen

Folgende Tabelle gibt Auskunft, welche Spannungen, in welchen Toleranzbreiten und zu welchen Betriebsbedingungen gemessen werden müssen.

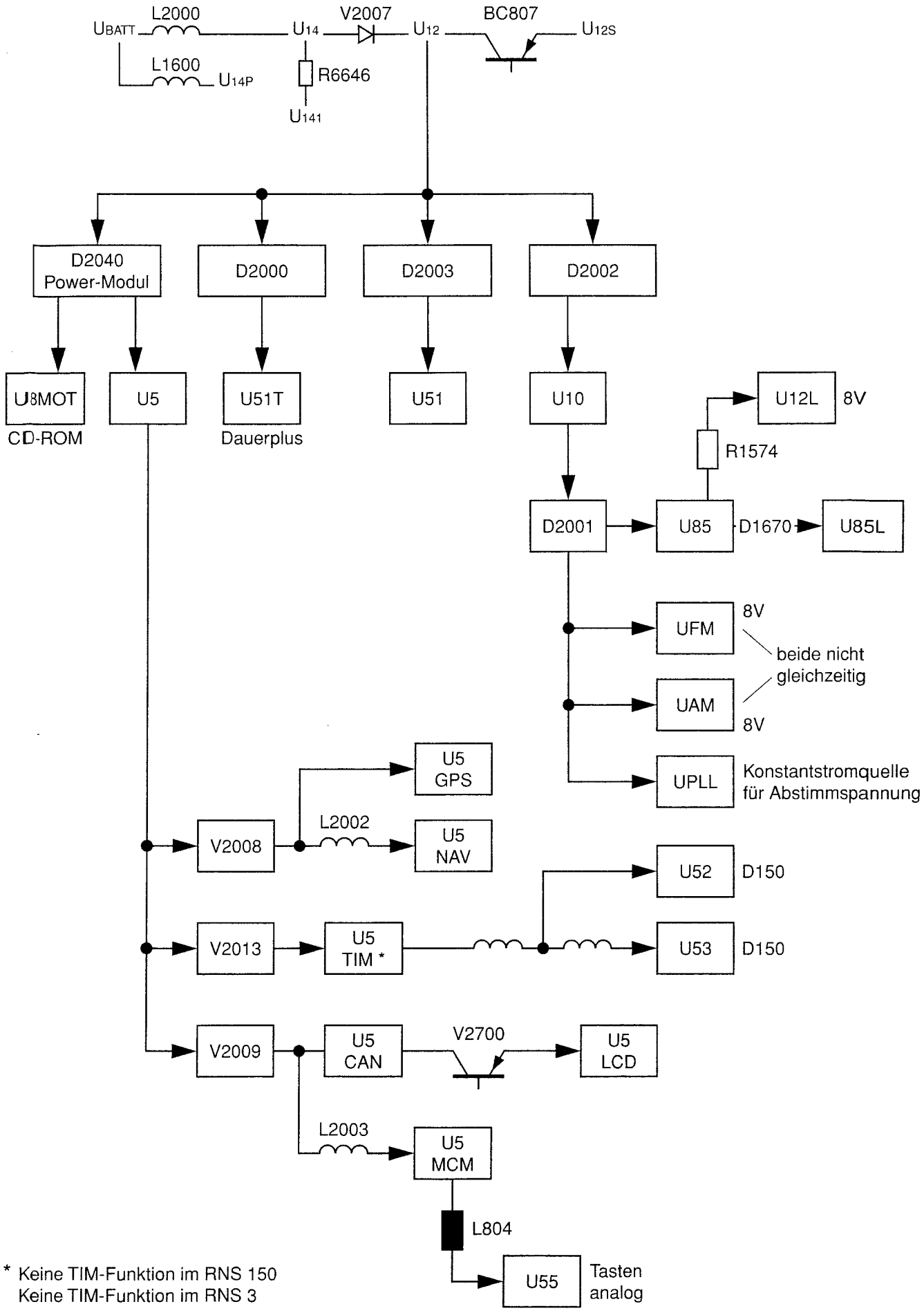
Spannung	Meßpunkt	Nennwert	Toleranz	Umin	Umax	Zu messen wenn
U10	MP111-12	10 V	4%	9.6	10.4	Gerät ein
UPLL	MP_UPLL	9.7 V		9.3		Gerät ein
U85	MP_U85	8.5 V		8.40	8.7	Gerät ein
UAM	MP_U_A	8.5 V		8.40	8.7	Gerät ein, AM-
UFM	MP_U_F	8.5 V		8.40	8.7	Gerät ein, FM-
U85L	MPU85L			U85/2		
U12L	MPU12L			U12S/		
U12S	MPU12S			U12-		
U5	MPU5	5 V	-1%, +2%	4.90	5.1	Gerät ein
U5_MCM	MPU54	5 V		4.90		Gerät ein
U55	MPU55	5 V		4.85		Gerät ein
U5_NAV	MPU5NA	5 V		4.90		Gerät ein
U52	MP_U52	5 V		4.85		Gerät ein
U53	MP_U53	5 V		4.80		Gerät ein
U8_MOT	MP111-17	8 V		7.70	8.30	Gerät ein
U12	MPU12			U14-		
U51T	MPU51T	5 V	2%	4.90	5.1	Dauerspannung
U51	MPU51	5 V	2%	4.90	5.1	Dauerspannung

Stromaufnahme

Zur Strommessung des Gerätes sind die Pins 4 (Kl.30) und 8 (Masse) der Kammer A des Anschlußkastens zu beschalten.

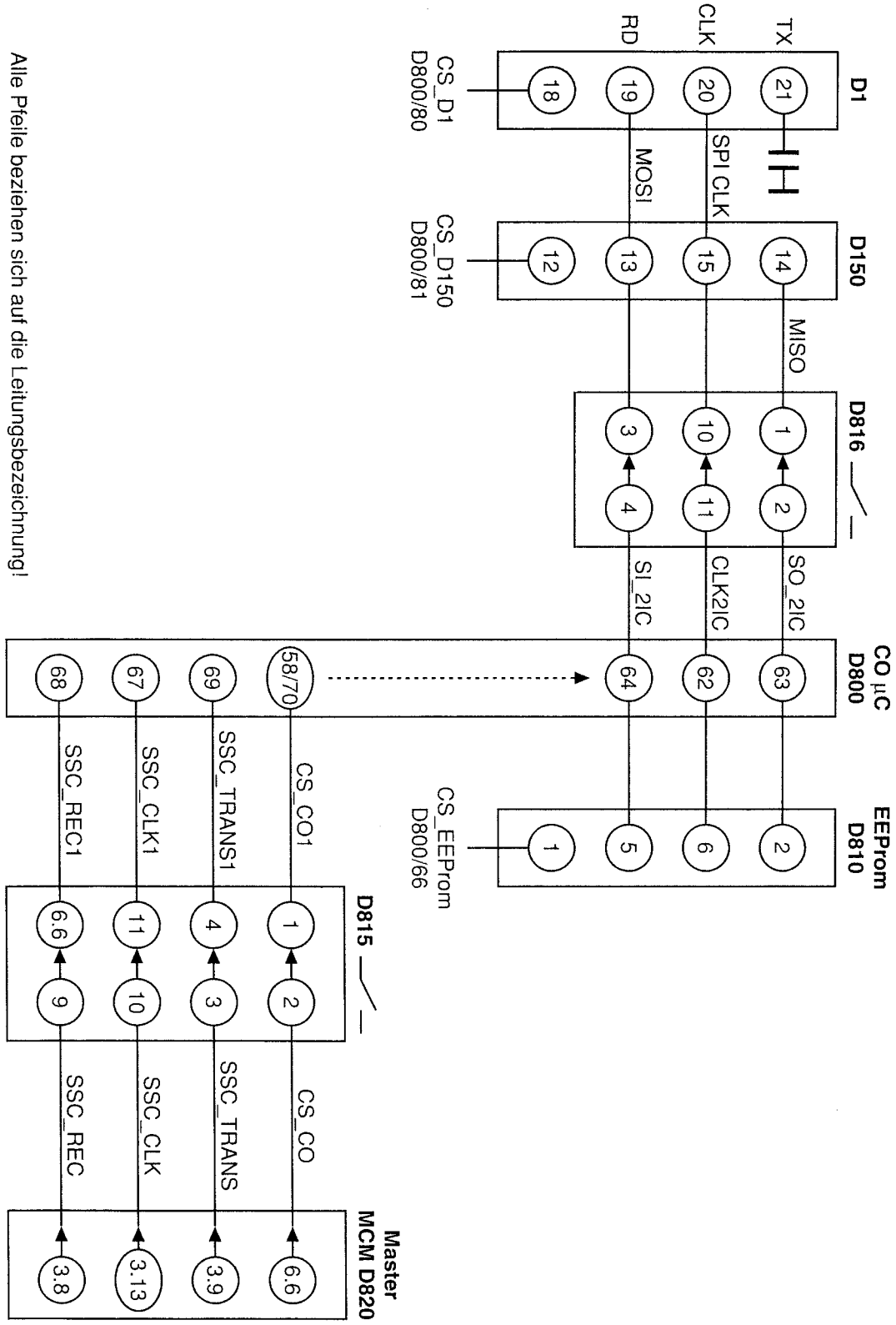
Betriebszustand	Stromaufnahme / mA	Kommentar
Gerät aus	< 3	Gerät muß vorher einmal an gewesen sein, damit CAN-Tranceiver initialisiert wird.
Gerät ein	1000 bis 1100	Bei Erstkontaktierung mit eingelegter NAV-CD.
Gerät ein	ca. 900	NAV-CD im Gerät aber Laufwerk steht. Radiobetrieb (FM).
Gerät ein	ca. 880	Audio-CD im Gerät und läuft. Audio-CD-Betrieb.
NAVI-Nachlauf	< 330	30 Min.
Lüfter an	+ 70 (max.)	Wenn Lüfter voll läuft erhöht sich die Stromaufnahme des Gerätes um max. 70 mA.

Spannungsversorgung

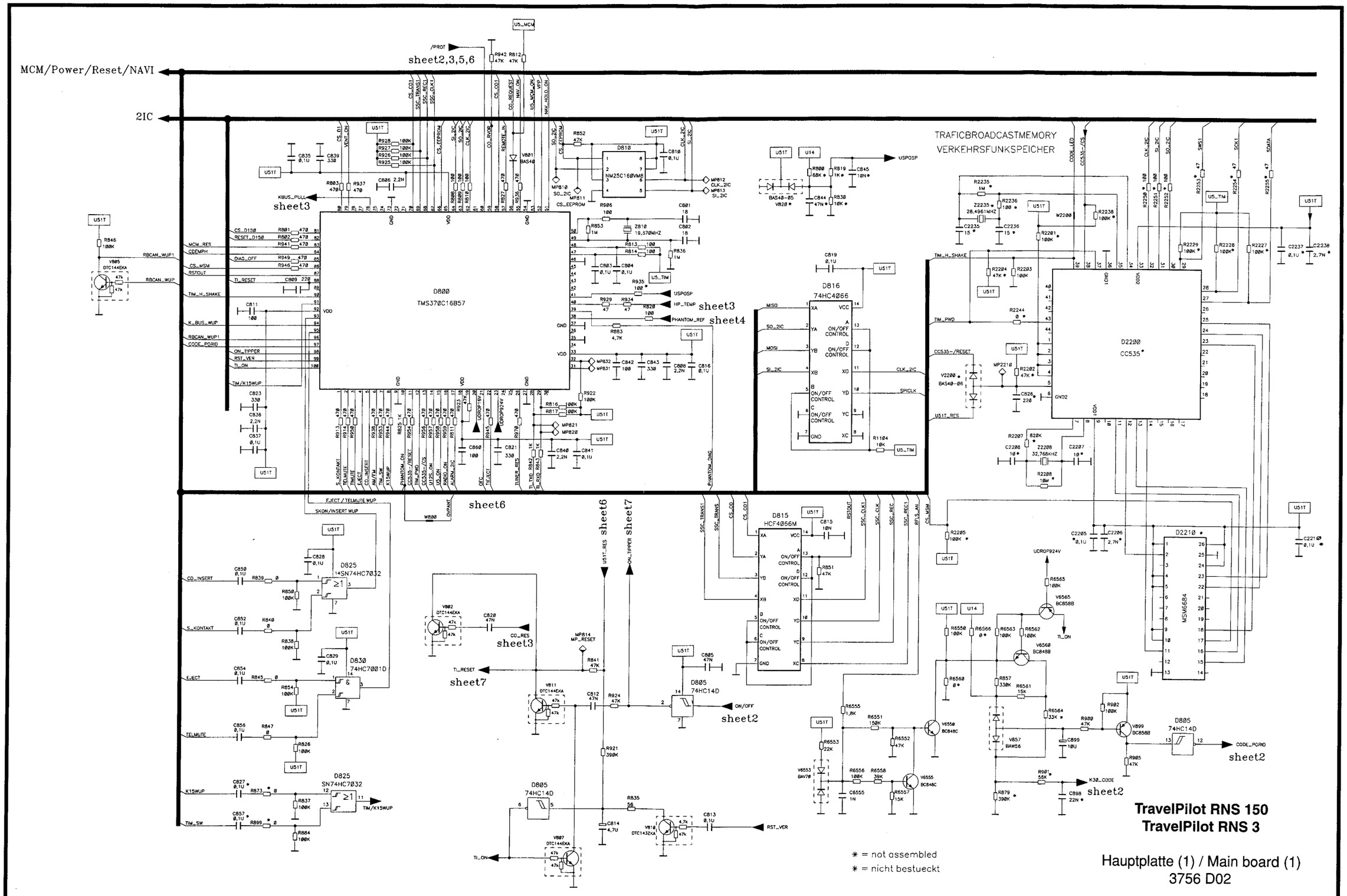


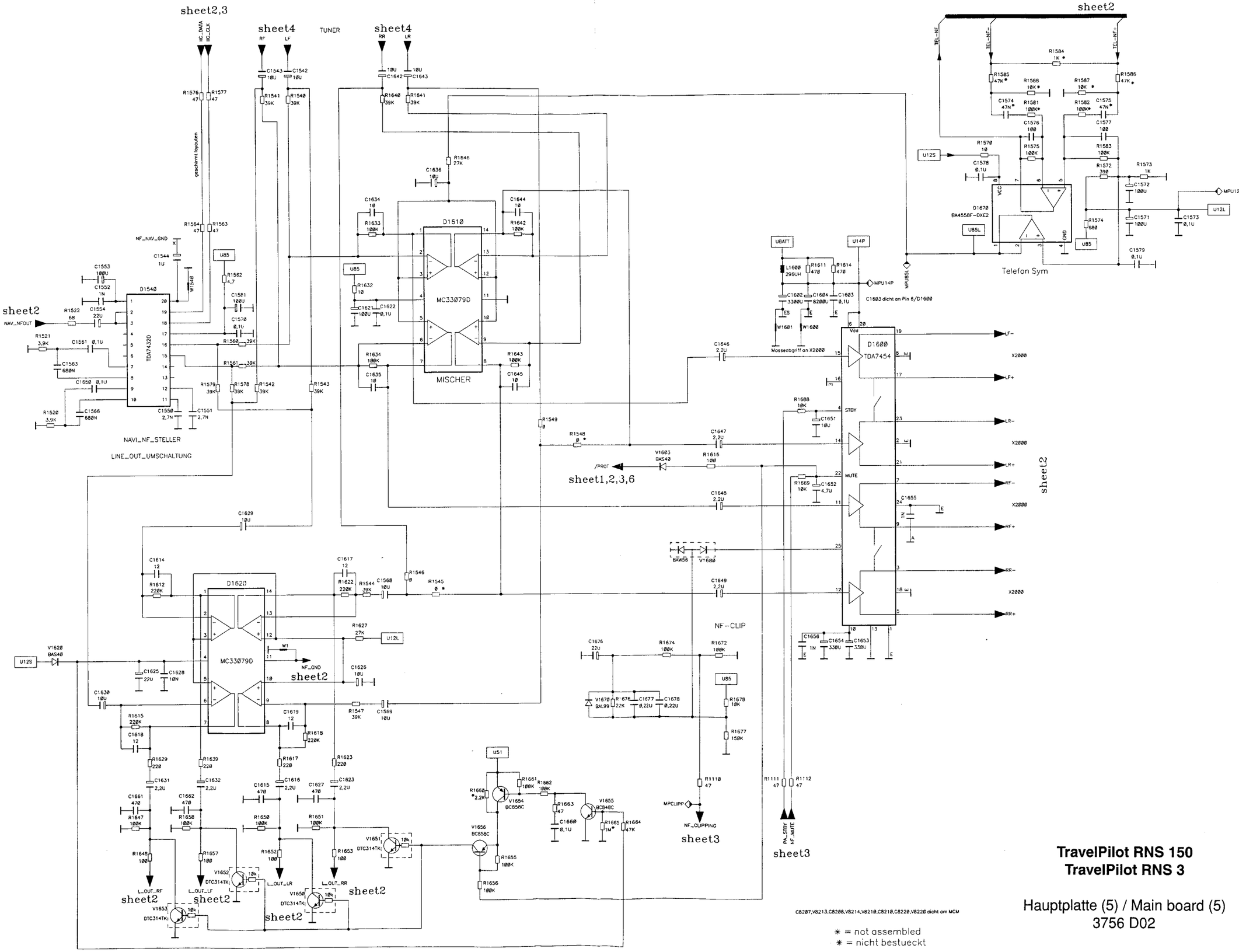
* Keine TIM-Funktion im RNS 150
Keine TIM-Funktion im RNS 3

RNS 150 / RNS 3 SPI-BUS (Serial Periphery Interface)



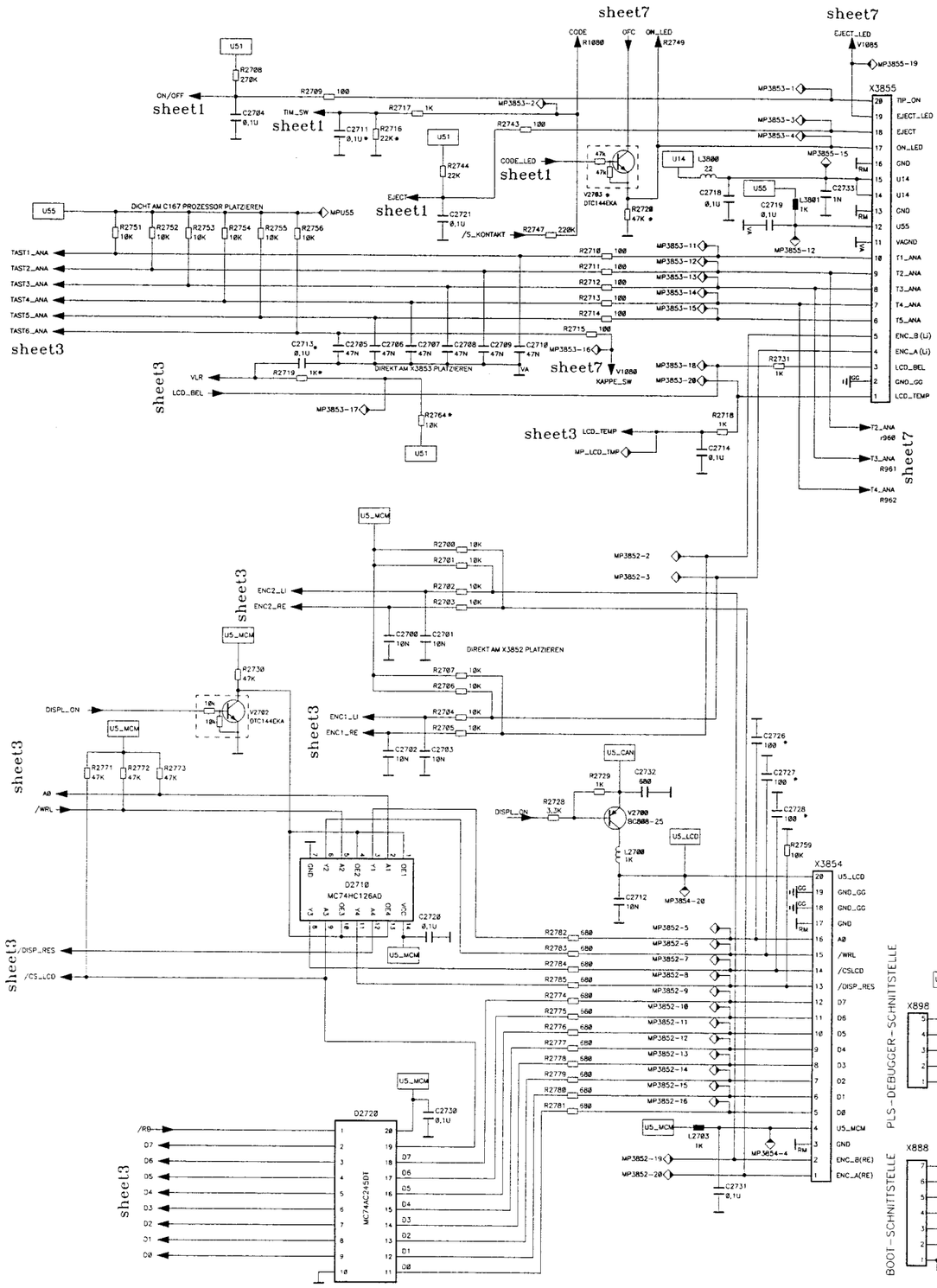
Alle Pfeile beziehen sich auf die Leitungsbezeichnung!

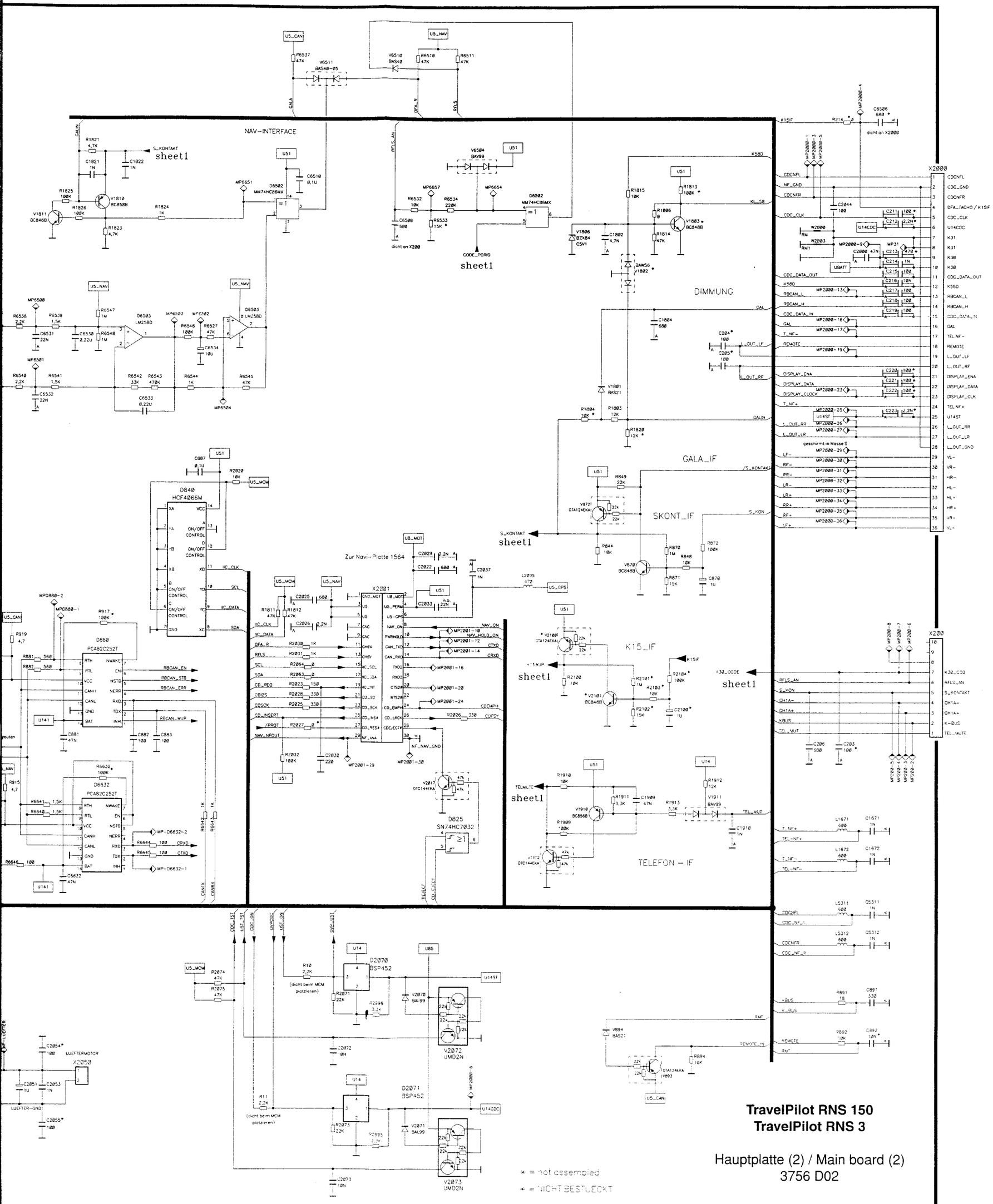

MCM/Power/Reset/NAVI
2IC
TRAFICBROADCASTMEMORY
VERKEHRSFUNKSPEICHER
sheet2,3,5,6
sheet3
sheet4
sheet6
sheet7
D800
TMS370C16B57
D816
74HC4066
D815
HCF4066M
D825
SN74HC7032
D830
74HC7001D
D805
74HC14D
D2200
CC535*
D2210 *
MSM6684
NM25C160VM8
TravelPilot RNS 150
TravelPilot RNS 3
Hauptplatte (1) / Main board (1)
3756 D02
* = not assembled
* = nicht bestueckt



TravelPilot RNS 150
TravelPilot RNS 3

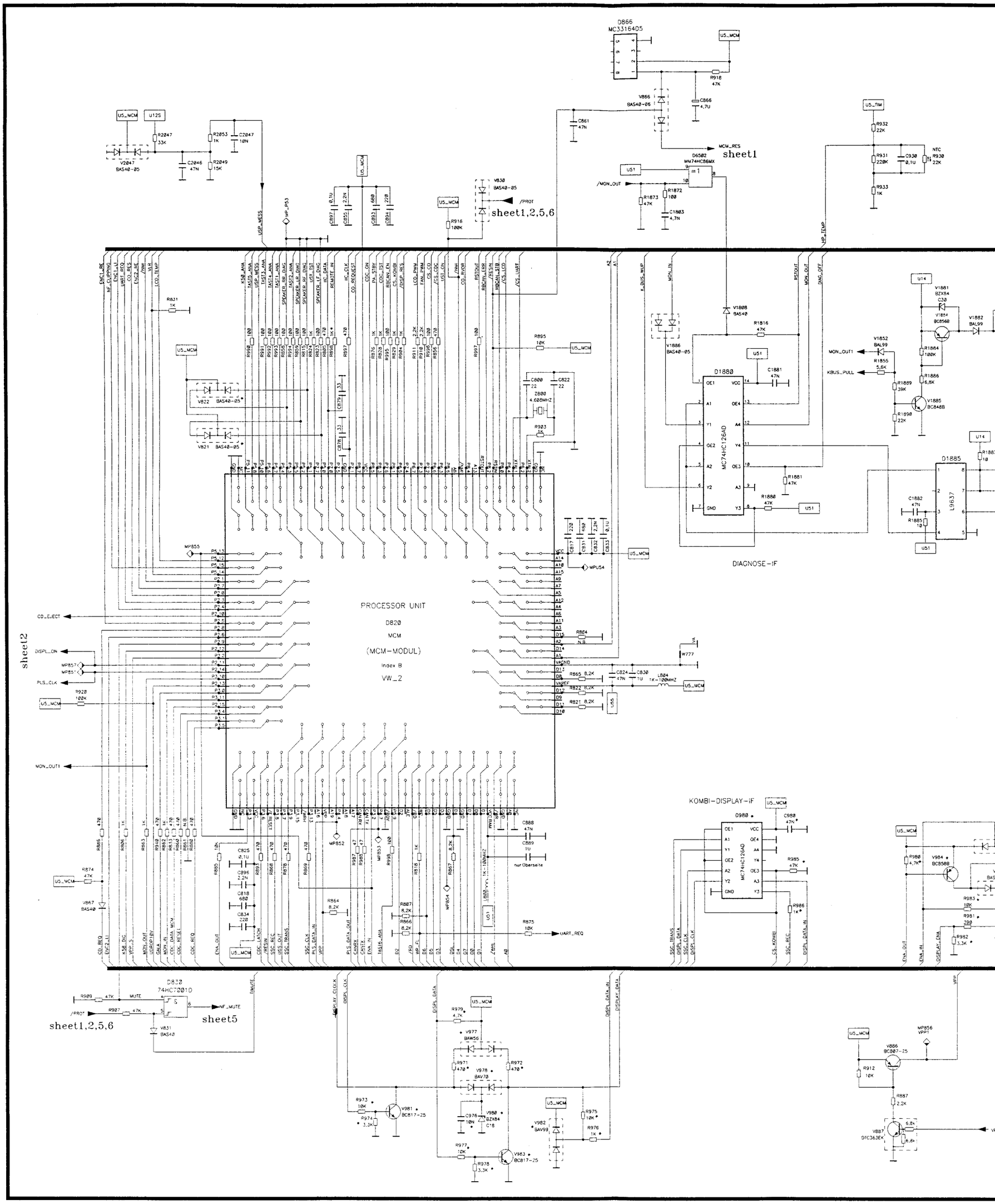
Hauptplatte (5) / Main board (5)
3756 D02

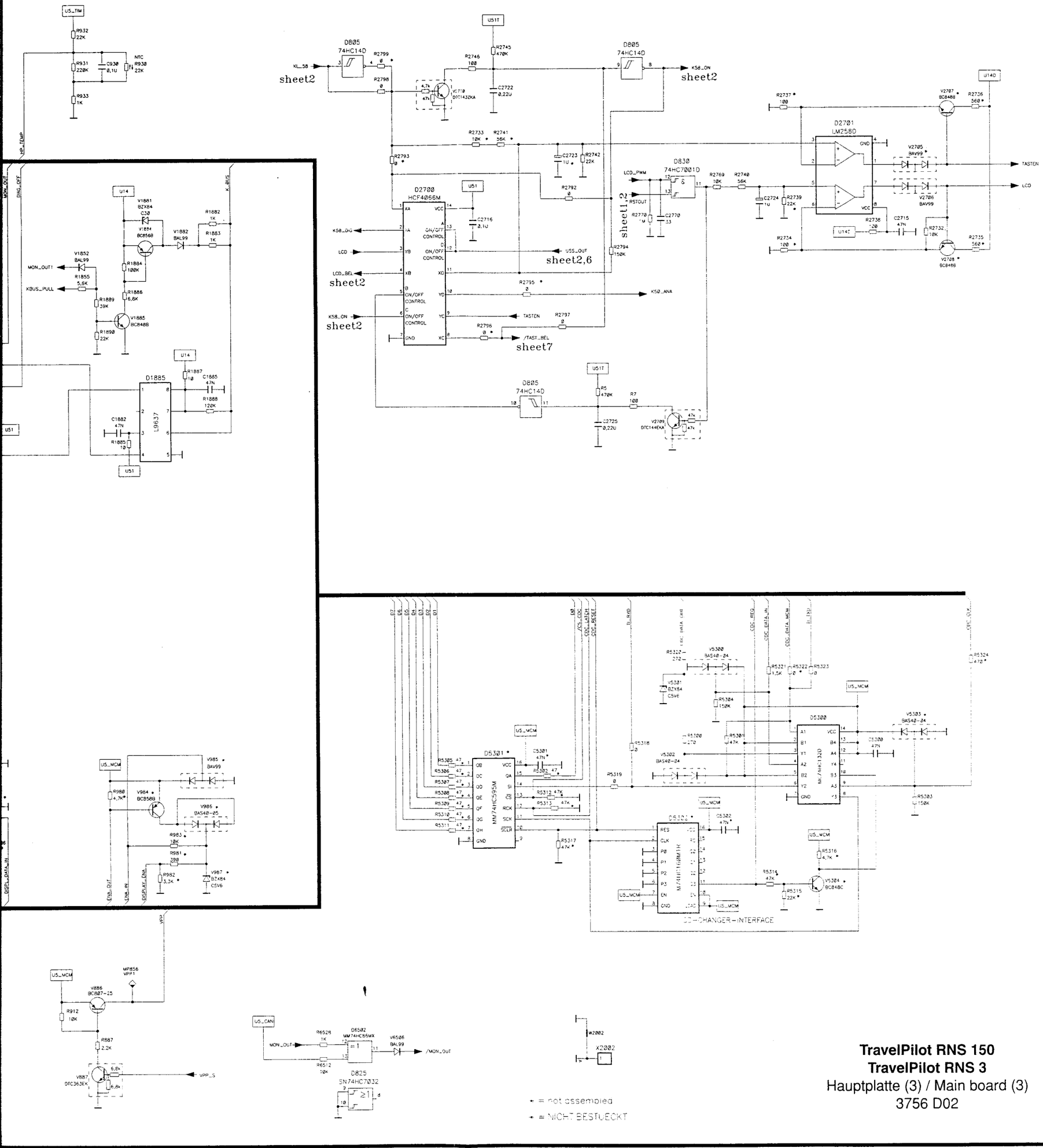

sheet7
sheet7
U51
R2708 270K
ON/OFF
sheet1
R2709 100
C2704 0,1U
TIN_SW
sheet1
R2717 1K
C2711 0,1U*
R2716 22K*
R2743 100
CODE
R1000
OFC
ON_LED
R2749
CODE_LED
sheet1
EJECT
sheet1
C2721 0,1U
/S_KONTAKT
R2747 220K
V2703 * DTC144EKA
R2720 47K *
U14 L3800 22
C2718 0,1U
U55
C2719 0,1U
L3801 1K
C2733 1N
MP3855-15
MP3855-12
U55
DICHT AM C167 PROZESSOR PLATZIEREN
MPU55
R2751 10K
R2752 10K
R2753 10K
R2754 10K
R2755 10K
R2756 10K
TAST1_ANA
TAST2_ANA
TAST3_ANA
TAST4_ANA
TAST5_ANA
TAST6_ANA
sheet3
R2718 100
R2711 100
R2712 100
R2713 100
R2714 100
R2715 100
MP3853-11
MP3853-12
MP3853-13
MP3853-14
MP3853-15
MP3853-16
C2713 * 0,1U
C2705 47N
C2706 47N
C2707 47N
C2708 47N
C2709 47N
C2710 47N
VA
sheet3
VLR
LCD_BEL
R2719 1K*
DIREKT AM X3853 PLATZIEREN
MP3853-17
R2764 * 10K
U51
sheet7
V1080 KAPPE_SW
MP3853-18
MP3853-20
R2731 1K
IGG
sheet3 LCD_TEMP
MP_LCD_TMP
R2718 1K
C2714 0,1U
T2_ANA R960
T3_ANA R961
T4_ANA R962
sheet7
X3855
TIP_ON
EJECT_LED
EJECT
ON_LED
GND
U14
U14
GND
U55
VAGND
T1_ANA
T2_ANA
T3_ANA
T4_ANA
T5_ANA
ENC_B (LI)
ENC_A (LI)
LCD_BEL
GND_GG
LCD_TEMP
MP3853-1
MP3853-3
MP3853-4
MP3853-2
MP3853-19
EJECT_LED
V1085
DEBUG-SCHNITTSTELLE
X860
U5_MCM
RSTOUT sheet1,3
UART_REQ
/CS_UART
D7
D6
D5
D4
D3
D2
D1
D0
A2
A1
A0
/RD
/WRL
sheet3
R1821 4,7K
C1821 1N
R1825 100K
R1826 100K
V1811 BC848B
MP6500
R6538 2,2K
R6539 1,5K
CH1A+
C6531 22N
C6530 0,22U
MP6501
R6540 2,2K
R6541 1,5K
CH1A-
C6532 22N
U5_MCM
R2700 10K
R2701 10K
R2702 10K
R2703 10K
ENC2_LI
ENC2_RE
C2700 10N
C2701 10N
DIREKT AM X3852 PLATZIEREN
R2707 10K
R2706 10K
R2704 10K
R2705 10K
ENC1_LI
ENC1_RE
C2702 10N
C2703 10N
MP3852-2
MP3852-3
sheet3
U5_MCM
R2730 47K
DISPL_ON
V2702 DTC144EKA
10K
10K
U5_MCM
R2771 47K
R2772 47K
R2773 47K
A0
/WRL
sheet3
/DISP_RES
/CS_LCD
D2710 MC74HC126AD
GND
VCC
C2720 0,1U
U5_MCM
U5_CAN
C2732 680
R2729 1K
R2728 3,3K
DISPL_ON
V2700 BC848-25
U5_LCD
L2700 1K
C2712 10N
MP3854-20
C2726 100 *
C2727 100 *
C2728 100 *
R2759 10K
X3854
U5_LCD
GND_GG
GND_GG
GND
A0
/WRL
/CSLCD
/DISP_RES
D7
D6
D5
D4
D3
D2
D1
D0
U5_MCM
GND
ENC_B(RE)
ENC_A(RE)
R2782 680
R2783 680
R2784 680
R2785 680
R2774 680
R2775 680
R2776 680
R2777 680
R2778 680
R2779 680
R2780 680
R2781 680
MP3852-5
MP3852-6
MP3852-7
MP3852-8
MP3852-9
MP3852-10
MP3852-11
MP3852-12
MP3852-13
MP3852-14
MP3852-15
MP3852-16
MP3852-19
MP3852-20
U5_MCM
L2703 1K
MP3854-4
C2731 0,1U
sheet3
/RD
D7
D6
D5
D4
D3
D2
D1
D0
D2720 MC74AC245DT
U5_MCM
C2730 0,1U
PLS-DEBUGGER-SCHNITTSTELLE
BOOT-SCHNITTSTELLE
X898
U5_MCM
PLS_DATA_IN
PLS_DATA_OUT
X888
DSL
WR_FL
/RESIN
R889 1K
R855 15K
R888 15K
R896 1K
MP880-7
MP880-6
MP880-5
MP880-4
MP880-3
MP880-2
MP880-1
PLS_CLK
MON_IN
MON_OUT
/RESIN
MP0880-2
MP0880-1
U5_CAN
R919 4,7
C885 10U
C880 0,1U
R881 560
R882 560
RTH
RTL
VCC
CANH
CANL
GND
BAT
U141
C881 47N
L6640 * ZJYS51R5-2PT geschirmt layouten
R6648 0
R6649 0
U5_NAV
R915 4,7
C884 10U
C6634 0,1U
R6641 1,5K
R6642 1,5K
U14
R6646 100
C6632 47N
U141
R6643 100
R6644 100
C6633 47N
U141
U55_OUT
K58_ON
OVP_UST
OVPANT
OVPCOC
R2767 22K
R2765 22K
V2731 DTC114EKA
10K
10K
R2768 10K
U51
U14
V2725 BZX84 C15
V2726 BAV99
U14
U14D
MPU140
V2724 BCP52
V2732 BC846B
R2724 47K
R2722 4,7K
R2723 4,7K
R2756 3,9M
R2725 1K
R2727 10K
R2726 1K
R2721 22K
V2723 BC846B
V2727 BC848B
U51
R2750 47K
V2728 DTA143ZKA
4,7K
V2729 UMH7
4,7K
4,7K
V2730 UMH7
4,7K
4,7K
OVERVOLTAGEPROTECTION
UEBERSPANNUNGSSCHUTZ
VENT_ON
sheet1
U14
D2050 TLE4276GV
INH
Q
GND
VA
C2050 0,1U
R2056 68K
C2054 * 100
LUEFTERMOTOR
X2252
C2051 1U
C2053 1N
W2050
LUEFTER-GND
R2054 12K
C2055 * 100
R2051 7,5K
FAN_PWM
sheet3
C2052 0,1U
R2052 3,09K



TravelPilot RNS 150
TravelPilot RNS 3

Hauptplatte (2) / Main board (2)
3756 D02


PROCESSOR UNIT
D820
MCM
(MCM-MODUL)
Index B
VW_2
DIAGNOSE-IF
KOMBI-DISPLAY-iF
sheet1,2,5,6
sheet5
sheet1
sheet2
D866
MC3316405
D6502
MM74HC86MX
D1880
MC74HC126AD
D1885
L9637
D820
74HC7001D
MCM_RES
/PROT
/MON_OUT
MON_OUT1
UART_REQ
NF_MUTE
MUTE
/MUTE
CD_EJECT
DISPL_ON
PLS_CLK
K_BUS_WUP
KBUS_PULL
NTC
nur Oberseite



* = not assembled

* = NICHT BESTUECKT

TravelPilot RNS 150
TravelPilot RNS 3
Hauptplatte (3) / Main board (3)
3756 D02

Schnittstelle zum
Empf. Modul Ø276

X15Ø

CS_D1 1
RD 2
CLK 3
TX 4
FREF 5
MASSE 6
ZFB 7
ZFA 8
MASSE 9
U_AM 10
U_FM 11
UPLL 12
U85 13
VT 14
MASSE 15
PHANTOM 16
MASSE 17
NC 18
ANT 19

C21 1ØØ
C22 1ØØ
C23 1ØØ
EMV
C2 1N*
R23 1K
R22 1K
R21 1K
R11Ø5 47
CS_D1
MOSI
SPICLK
sheet1

C24 1N
L24 47Ø
*C25 33
MP_U_AM
L64Ø 1K-1ØØMHZ
U_AM
C196 2,7N
X151
MP_U_FM
MP_UPLL
C197 2,7N
C198 2,7N
L641 1K-1ØØMHZ
L642 1K-1ØØMHZ
L643 1K-1ØØMHZ
U_FM
UPLL
U85
C194 33
C195 1ØØ
C199 2,7N
MP_U85
X-MP-ANT
MP_UPHAN
C2Ø83 47U*

U52
L153 47Ø
L154 47Ø
C15Ø 22U
C153 Ø,1U
C155 22U
C156 Ø,1U
C154 Ø,22U
C157 Ø,22U

R1Ø7 22Ø
R1Ø5 22Ø
L1Ø Ø 1,5UH
L1Ø2 1,5UH
L1Ø1 3,3UH
L1Ø3 3,3UH
C1Ø7 1ØØ
R1Ø3 1K
C1Ø8 47
symetrisch layouten

R156 1,8K
R157 1,8K
R158 1,8K*
R159 1,8K*
CCR1
CCL1
TEL-NF
C178 Ø,1U*
sheet5

C177 Ø,47U
C173 1N
C174 1N
C175 1N
C176 1N

U5_TIM
L2Ø Ø 1ØUH
L2Ø1 1ØUH
MP_U53
U53
U53 : Digitale 5V
5V-Quelle
C2Ø1 1ØØU
C2Ø Ø 1ØØU
MP_U52
U52
U52 : Analoge 5V

C158 Ø,1U
C159 22U
C167 22N
C147 33Ø
C148 1ØØ
L158 47Ø
U52

R1568 1,8K
R1567 1,8K
R1566 1,8K
R1565 1,8K
LR
LF
RF
RR
C1555 Ø,1U
C1546 1N
C1547 1N
C1548 1N
C1549 1N
MASSE NAH AM IC
sheet5

U53
C151 Ø,1U
C133 1,5N
R126 1ØK
R125 1ØK
C152 1ØØ
C149 33Ø

D15Ø
XC39Ø239FUR2

VDDIF
VSSIF
REFM2
IFN
IFP
REFP2
VSSR
VDDR
AUXR
CCR
AGND
CCL
AUXL
REFM3
REFP3
VSSA

VSS
VDD
TDO
TDI
TMS
TCLK
VDD
VSS
PWDN
RESN
IRQN
CSN
SCPRX
SCPTX
SCPCK
VDDIO
VSSIO
CLK1
CLK2
XTALI
XTALO
SDA1
SWS1
SCK1
SDA2
SWS2
SCK2
SDA3
SWS3
SCK3
TDI
VDD

VDDA
LRO
LFO
OGND
RFO
RRO
VSSO
VDDO
CAPP
CAPN
REFM1
REFP1
VDDPL
VSSPL
TDO1
VSS

RESET_D15Ø R11Ø1 47 R15Ø 1ØØ
ALARM_2IC R11Ø2 47 R151 1ØØ
CS_D15Ø R11Ø3 47 R152 1ØØ
R153 1ØØ
MISO R154 1ØØ
R155 1ØØ

C141 1,5N
C142 33Ø
C143 1ØØ
C172 Ø,1U
C171 22N
C125 1N
geschirmt layouten
dicht an D15Ø plazieren

C158 Ø,1U
C159 22N
C167 22N
C147 33Ø
C148 1ØØ
L158 47Ø
C18Ø Ø,22U
C163 Ø,22U
R161 82Ø
C165 15N
C162 Ø,1U
C168 22U
L163 47Ø
C162 Ø,22U
L16Ø 47Ø
C164 Ø,1U
C161 22U
C166 Ø,1U
C179 22N
C145 33Ø
U52
U53

CDC-INPUT
CDC-EINGANG

MP_CCL1
CCL1
C5106 1ØU
C5105 1ØU
R5109 2,2K
C5100 1Ø
C5102 Ø,22U
R5102 2ØØK
R5104 12K
R51ØØ 12ØK
C5103 Ø,22U
R5103 22ØK
CDC_NF_L
U85
C5115 22N
C5116 47N
D51ØØ
BA4558F-DXE2
R5107 15ØK
U85L
R5108 15ØK
C5104 Ø,22U
R5105 22ØK
CDC_NF_R
R5106 12K
CCR1
MP_CCR1
C5108 1ØU
C5107 1ØU
R5110 2,2K
R5101 12ØK
C5101 1Ø
C5109 Ø,22U
R5111 2ØØK
sheet2

R8820 22K*
C8280 1ØN*
V8280 BZX84 C18
R8281 2ØØK*
R8282 Ø
C8282 1N*
PHANTOM_DIAG
U14P
R2Ø68 Ø
R2Ø69 Ø*
R2Ø80 4,7*
R2Ø82 4,7*
V2Ø85 FMMT493
R2Ø81 4,7*
R2Ø86 47ØK
R2Ø94 1ØK*
V2Ø84 BC858B
R2Ø83 82Ø
V2Ø96 BC848B
R2Ø95 47K
R2Ø84 33*
C2Ø93 22U*
C2Ø95 Ø,22U*
R2Ø92 2,2K
R2Ø79 15K*
C2Ø92 22U*
R2Ø87 27*
R2Ø96 22K*
V2Ø81 BC858B
R2Ø88 4,7K*
R2Ø89 1K*
V2Ø82 BC848C
R2Ø97 1ØK*
R2Ø99 4,7K*
V2Ø83 BC848C
R2Ø93 1ØK*
C2Ø94 1U*
V2Ø95 BC848C
R2Ø9Ø 8,2K*
R2Ø91 3,9K*
PHANTOM_ON
sheet1

R166 1M
R16Ø 47
Z15Ø 28,4961MHZ
C169 15
C17Ø 15
R169 1ØØ
R17Ø 1ØØ
R171 1ØØ
R172 1ØØ*
R173 1ØØ*
R174 1ØØ*
CDSCS
CDSCY
CDSCK
SDATA
SWS1
SCK1
sheet2
TIM
sheet1

U14P
R8232 22K*
C8230 1ØN*
V8230 BZX84 C18
R8233 2ØØK*
R8234 Ø
C8231 1N*
PHANTOM_REF
sheet1

PHANTOM POWER SUPPLY
PHANTOMSPEISUNG

PHANTOM-REFERENZ

* = not assembled
* = nicht bestueckt

TravelPilot RNS 150
TravelPilot RNS 3

Hauptplatte (4) / Main board (4)
3756 D02

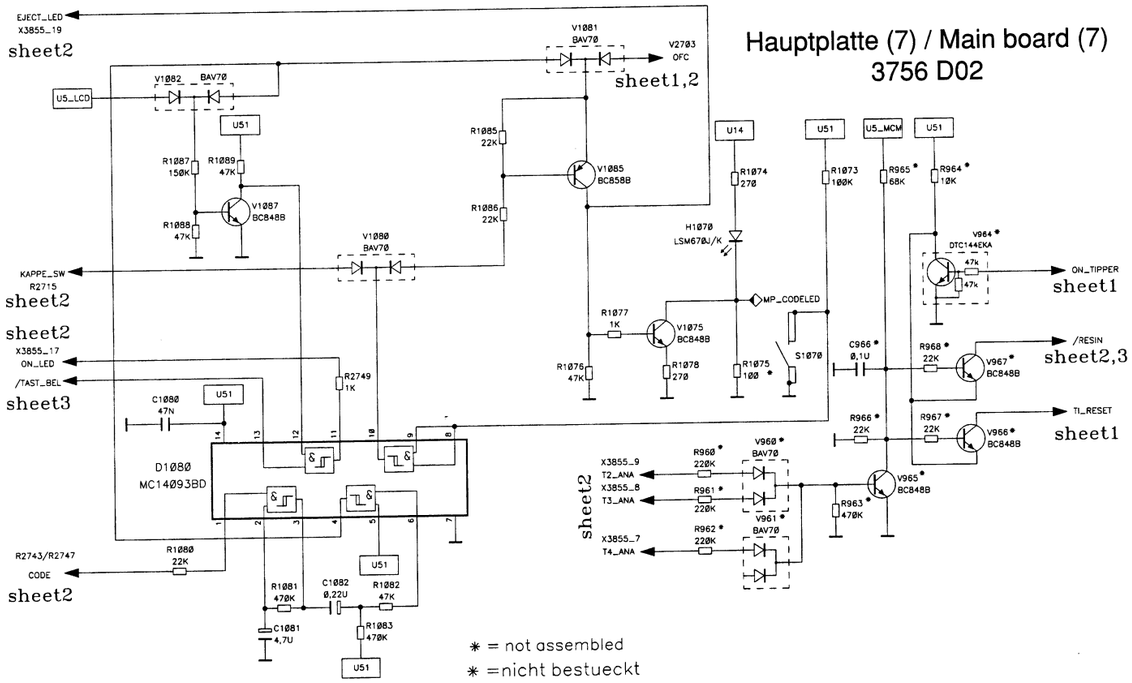
TravelPilot RNS 150
TravelPilot RNS 3

Hauptplatte (6) / Main board (6)
3756 D02

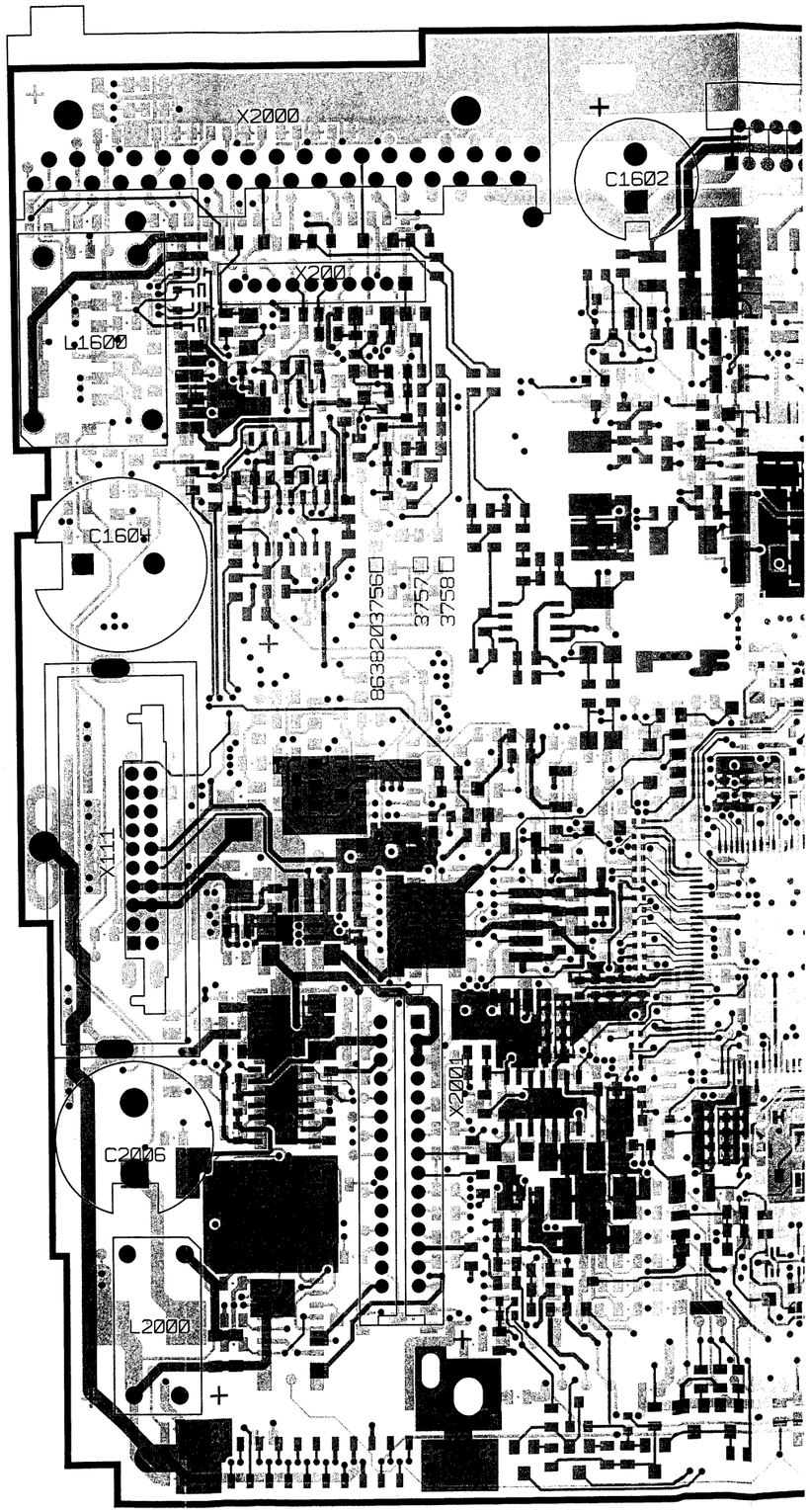
* = not assembled
* = nicht bestueckt

TravelPilot RNS 150
TravelPilot RNS 3

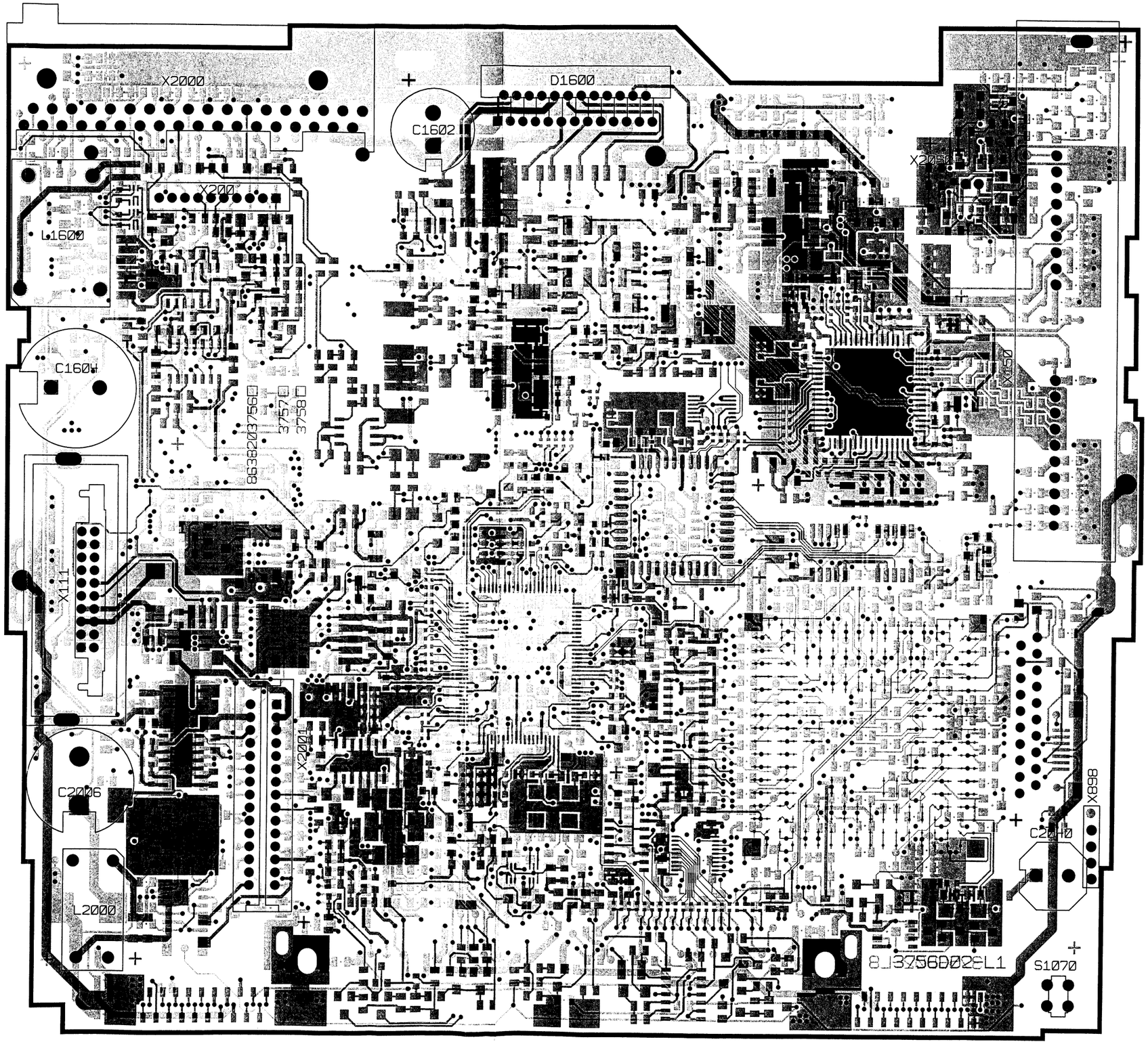
Hauptplatte (7) / Main board (7)
3756 D02



Hauptplatte
Main board
PL 3756 D02



Hauptplatte
Main board
PL 3756 D02



NS 150
RNS 3

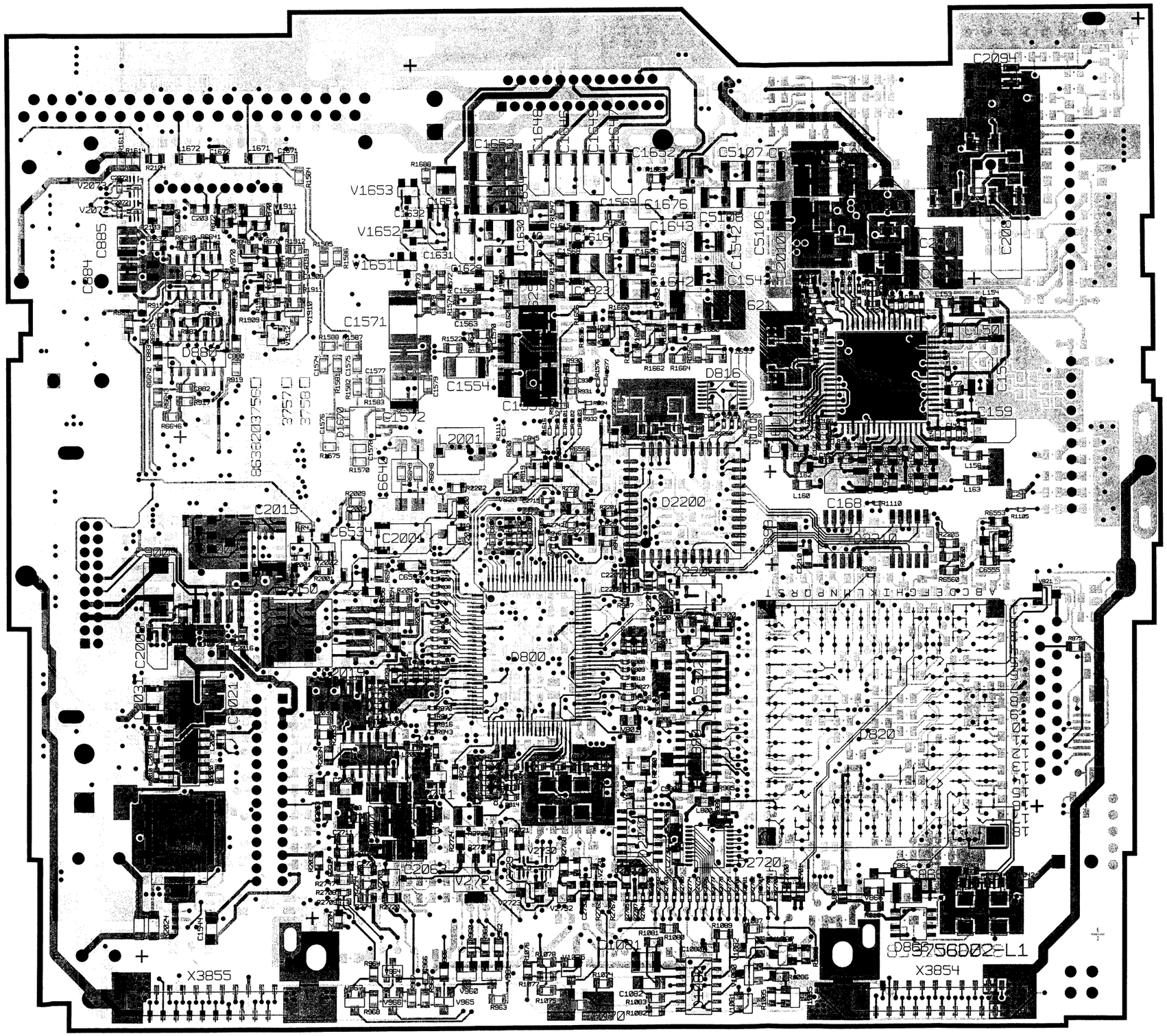
ain board (7)
)2

V964 BC848B
ON_TIPPER
sheet1

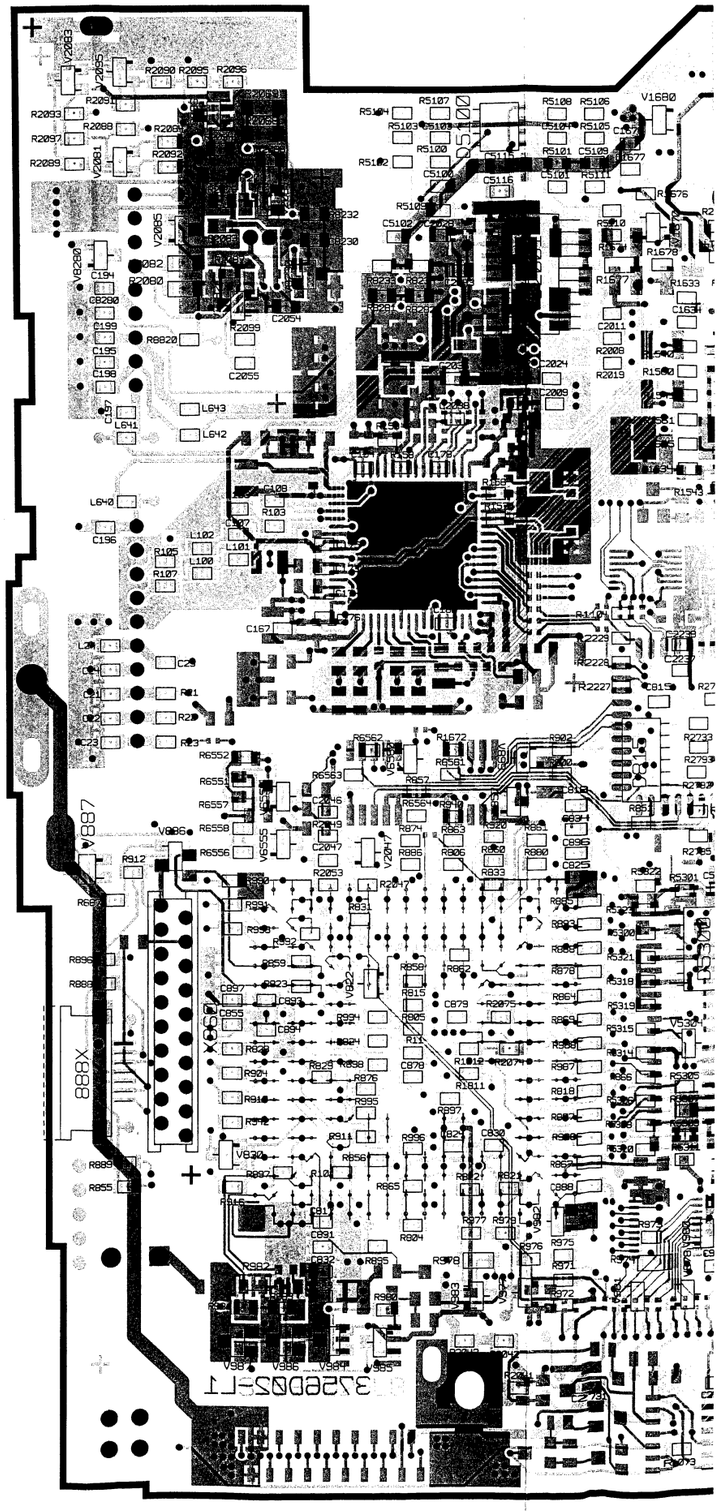
/RESIN
V967* BC848B
sheet2,3

TI_RESET
V966* BC848B
sheet1

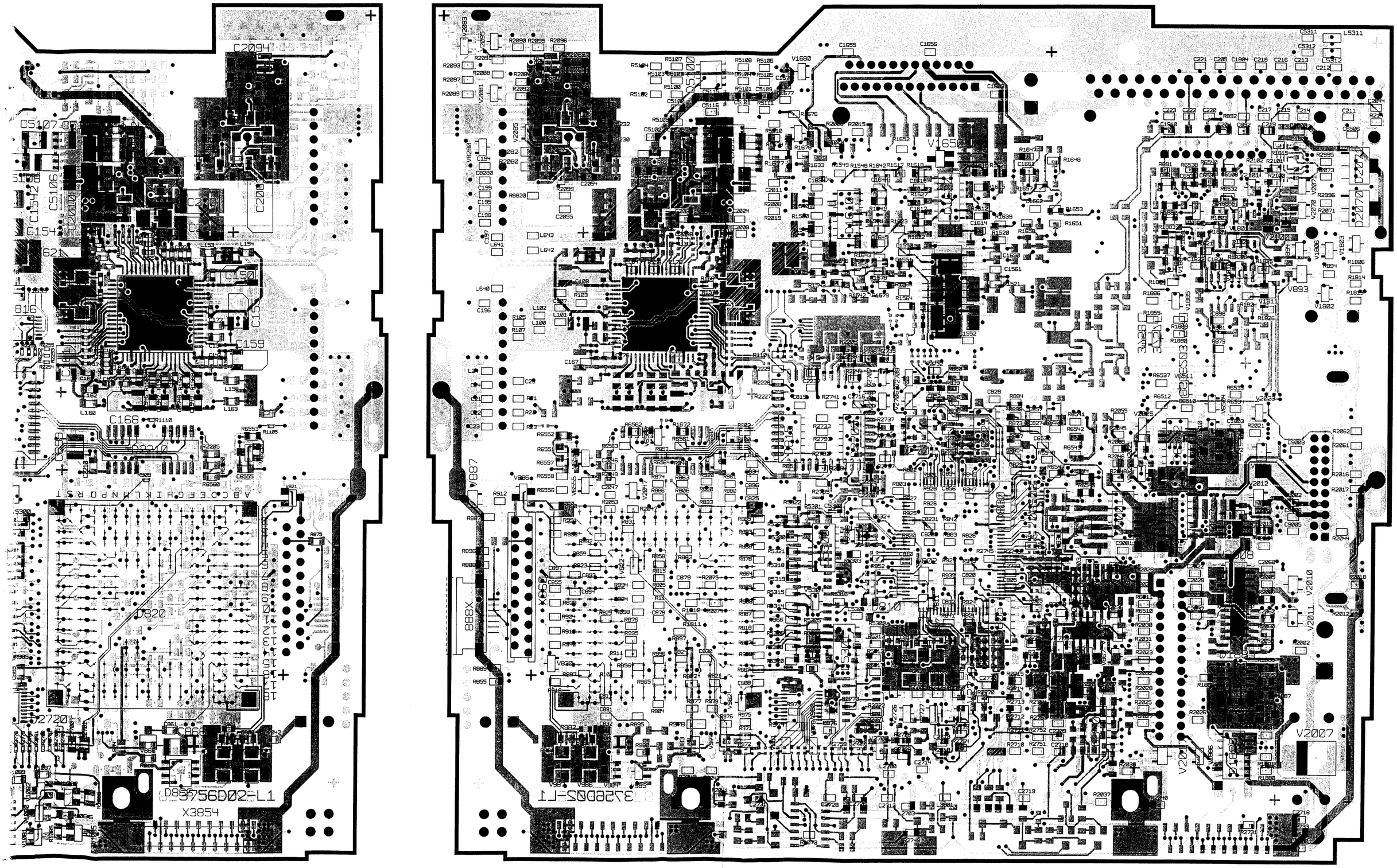
Hauptplatte
Main board
PL 3756 D02
Chip



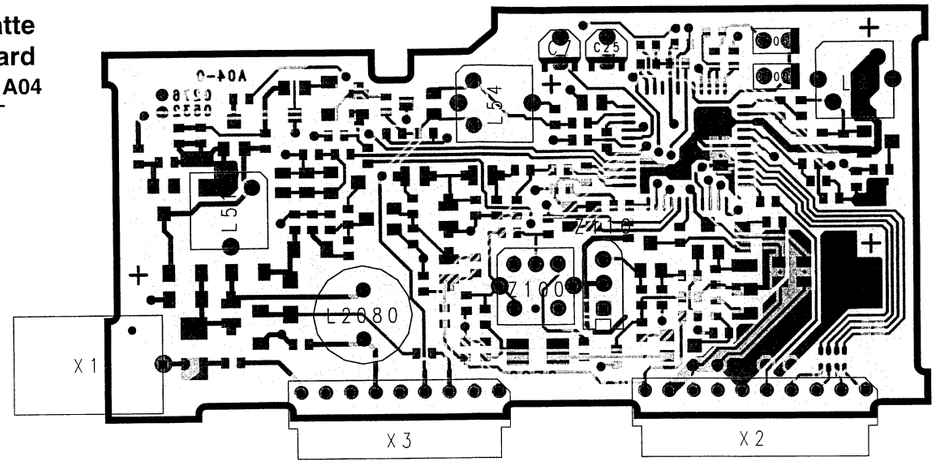
Hauptplatte
Main board
PL 3756 D02
B + Chip



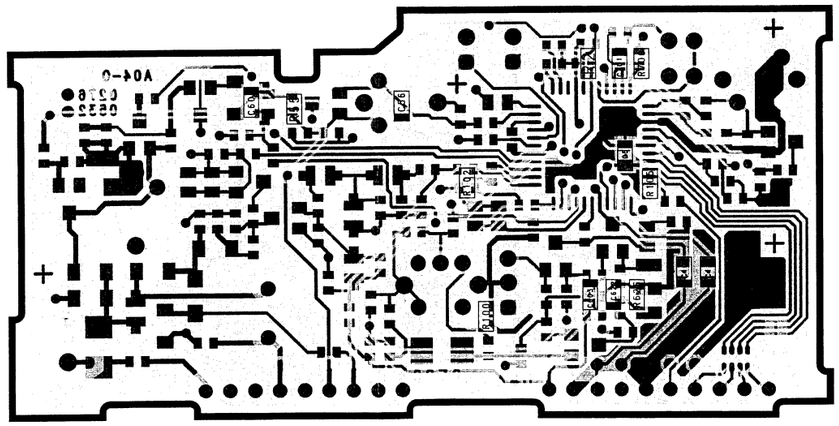
Hauptplatte
Main board
PL 3756 D02
B + Chip



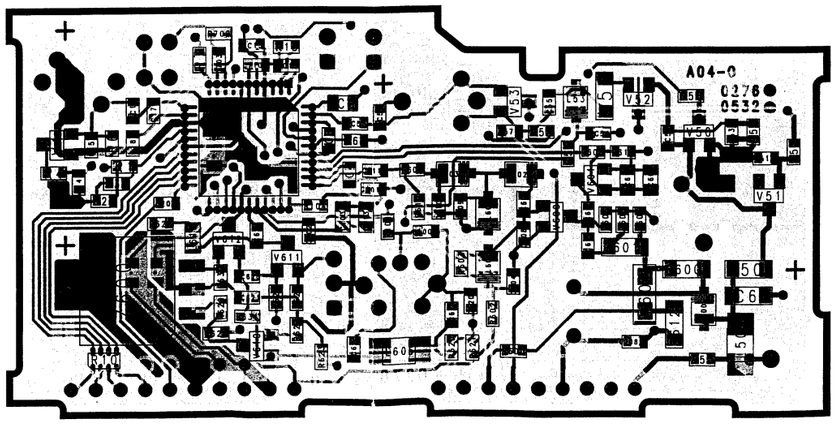
HF-Platte
RF board
PL 0276 A04

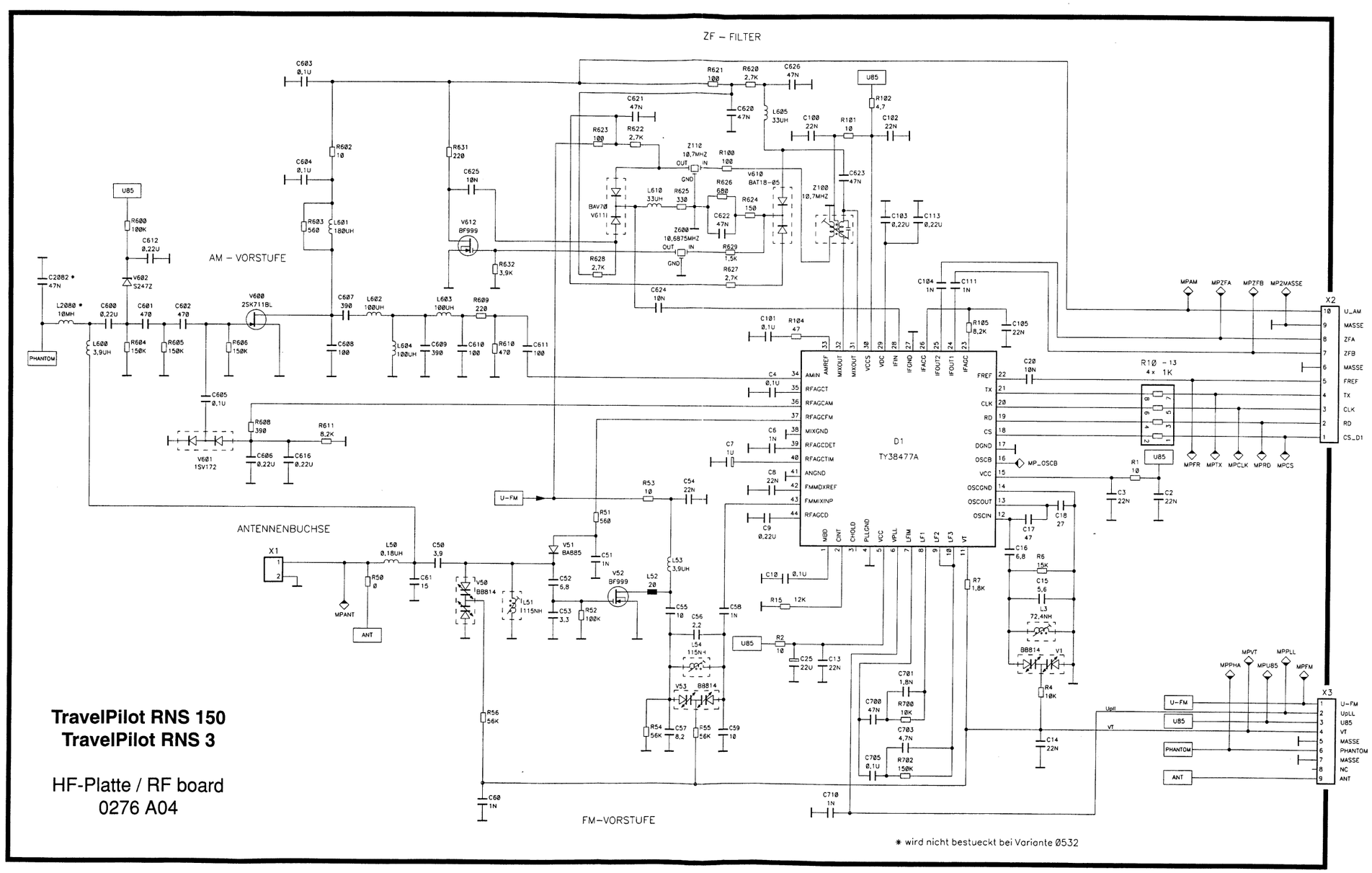


HF-Platte
RF board
PL 0276 A04
Chip



HF-Platte
RF board
PL 0276 A04
Chip

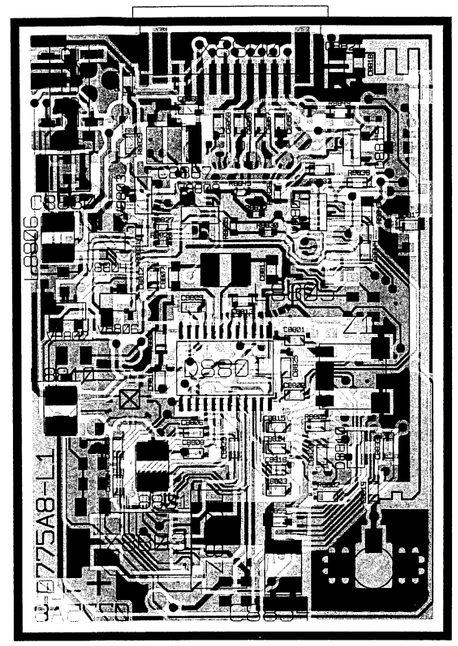




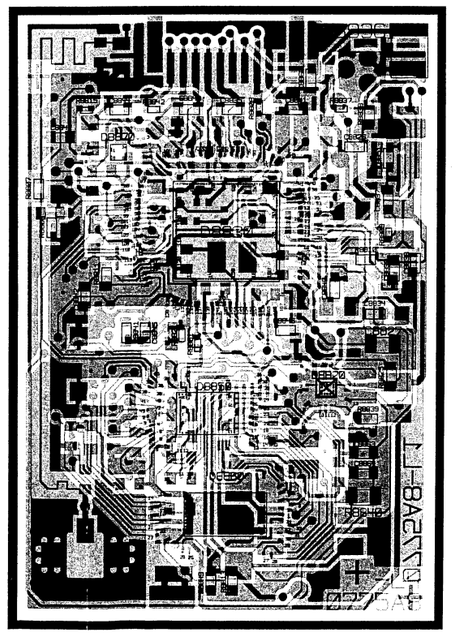
TravelPilot RNS 150
TravelPilot RNS 3

HF-Platte / RF board
0276 A04

GPS-Platte
GPS board
PL 0775 A08
Chip



GPS-Platte
GPS board
PL 0775 A08
Chip

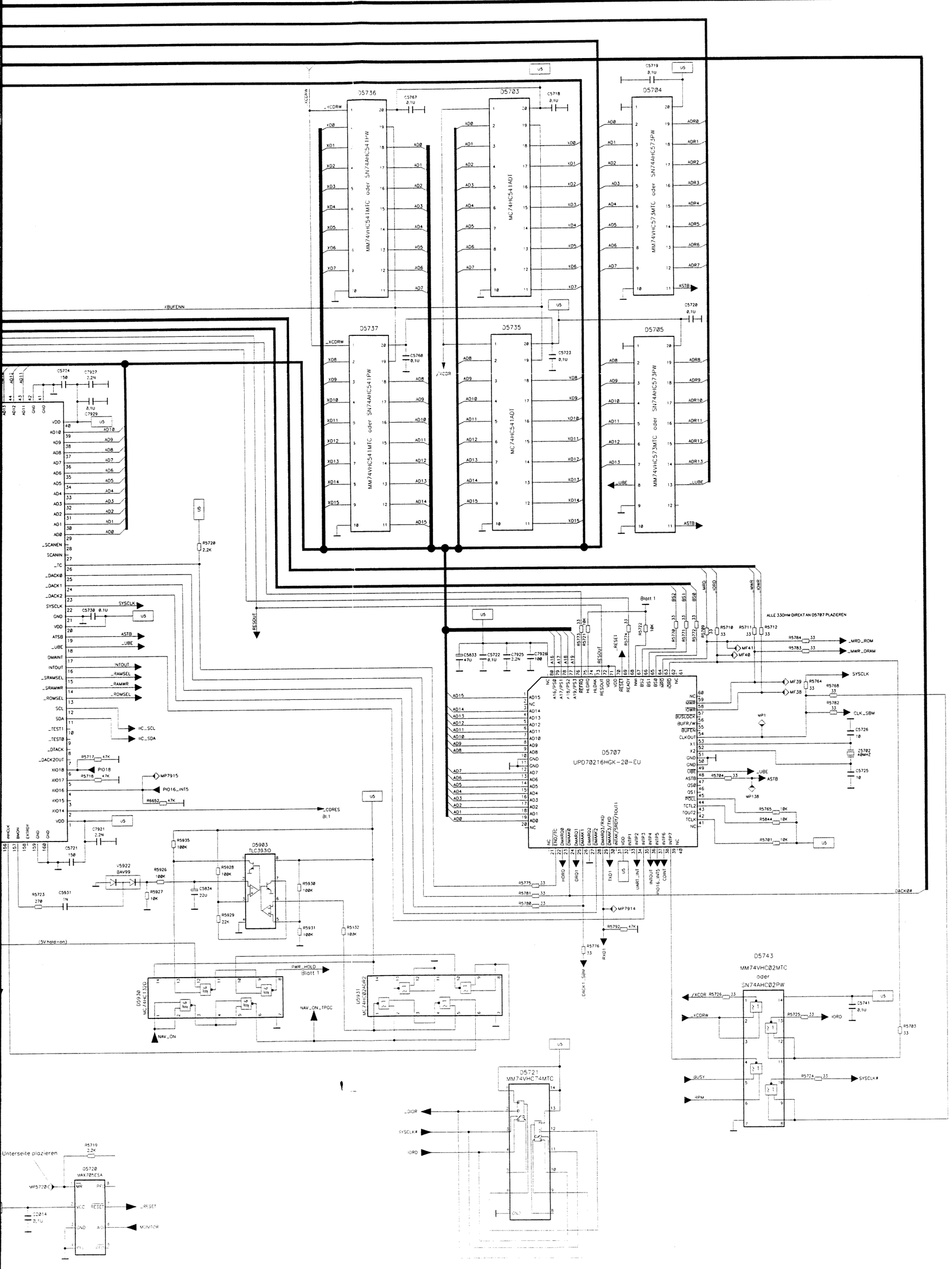


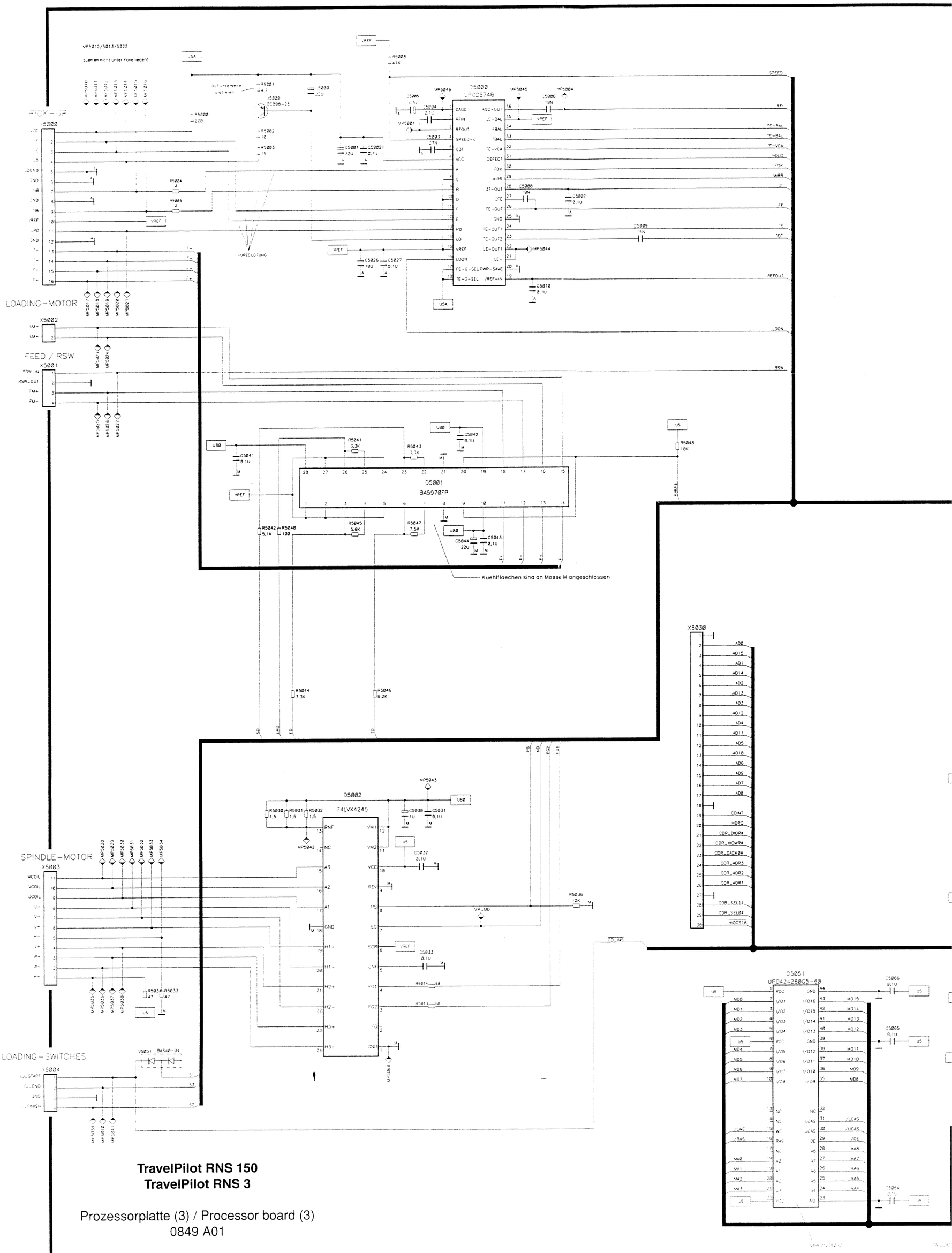
TravelPilot RNS 150
TravelPilot RNS 3

GPS-Platte / GPS board
0775 A08

TravelPilot RNS 150
TravelPilot RNS 3

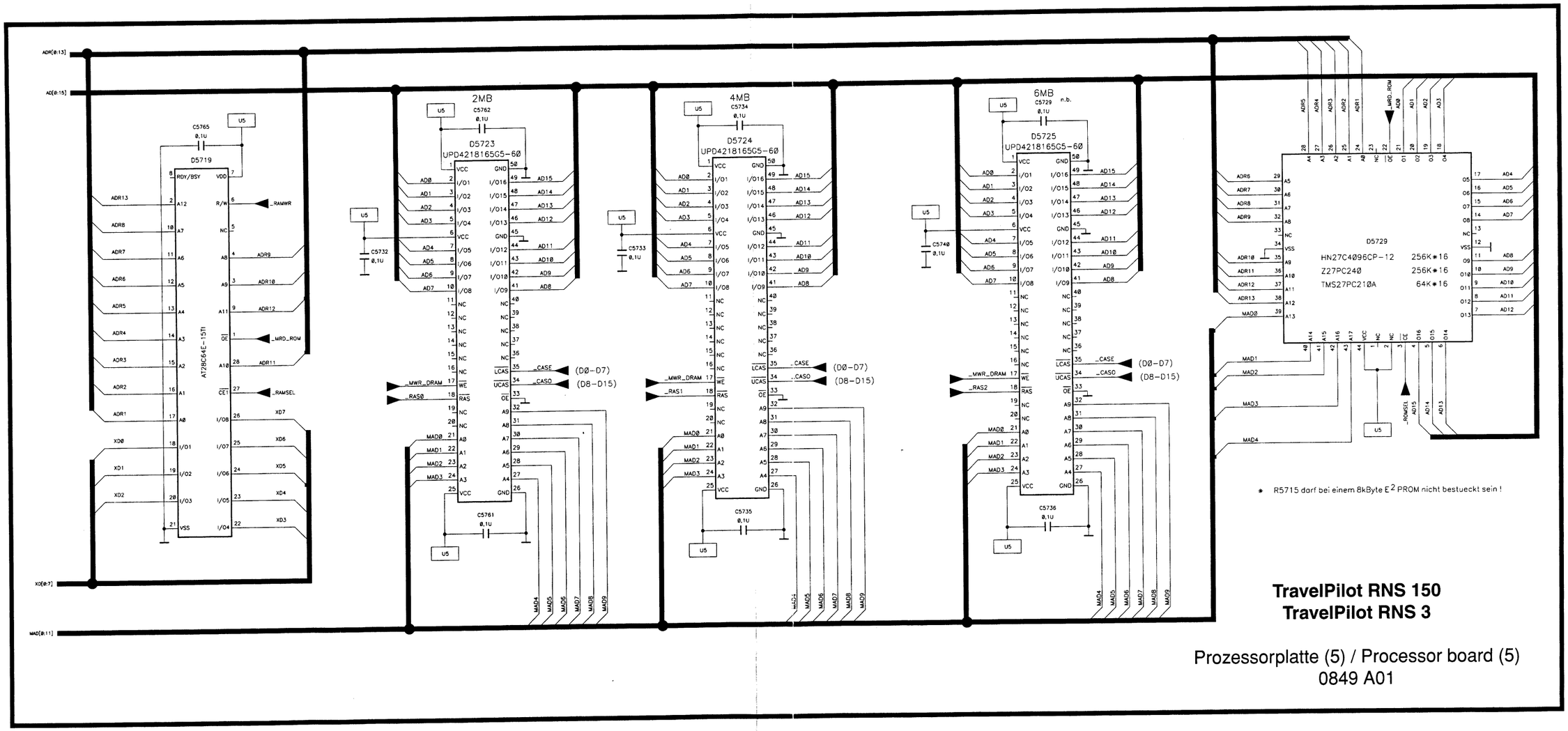
Prozessorplatte (2) / Processor board (2)
0849 A01


D5736
D5703
D5704
D5737
D5735
D5705
MM74VHC541MTC oder SN74AHC541PW
MC74HC541ADT
MM74VHC573MTC oder SN74AHC573PW
D5707
UPD70216HGK-20-EU
D5903
TLC393ID
D5930
MC74HC132D
D5931
MC74HC02AD
D5743
MM74VHC02MTC
oder
SN74AHC02PW
D5721
MM74VHC74MTC
D5720
MAX706ESA
V5922
BAV99
XBUFENN
/XCDR
_XCDRW
_CDRES
BL1
SYSCLK
RESOUT
Blatt 1
PWR_HOLD
NAV_ON
NAV_ON_TPGC
(5V hold-on)
Unterseite plazieren
ALLE 33OHM DIREKT AN D5707 PLAZIEREN
_MRD_ROM
_MWR_DRAM
CLK_SBM
_UBE
ASTB
IORD
_IOWR
_RESET
MONITOR
IIC_SCL
IIC_SDA
DACK0#
DACK1_SBM



TravelPilot RNS 150
TravelPilot RNS 3

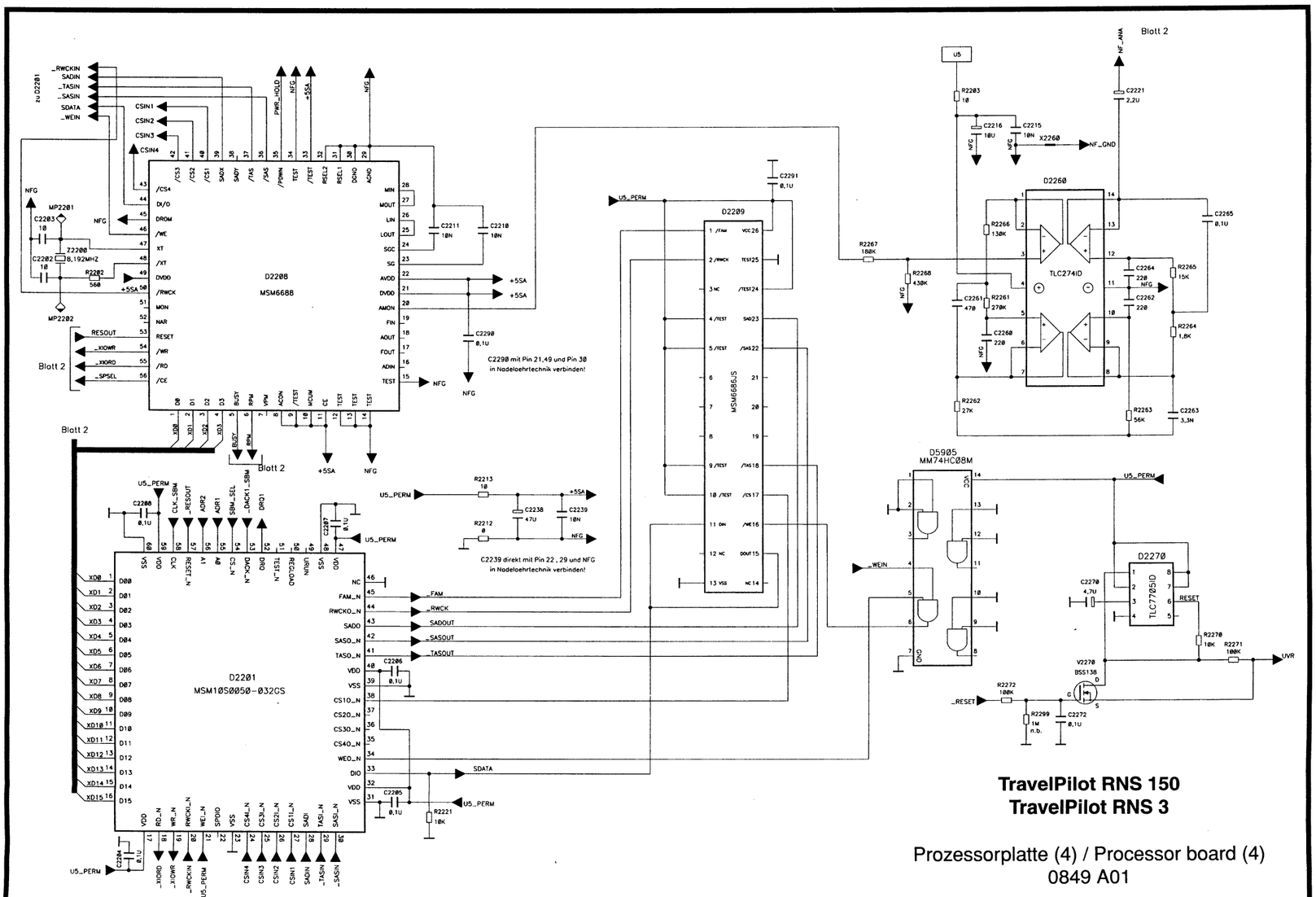
Prozessorplatte (3) / Processor board (3)
0849 A01



* R5715 darf bei einem 8kByte E^2 PROM nicht bestueckt sein !

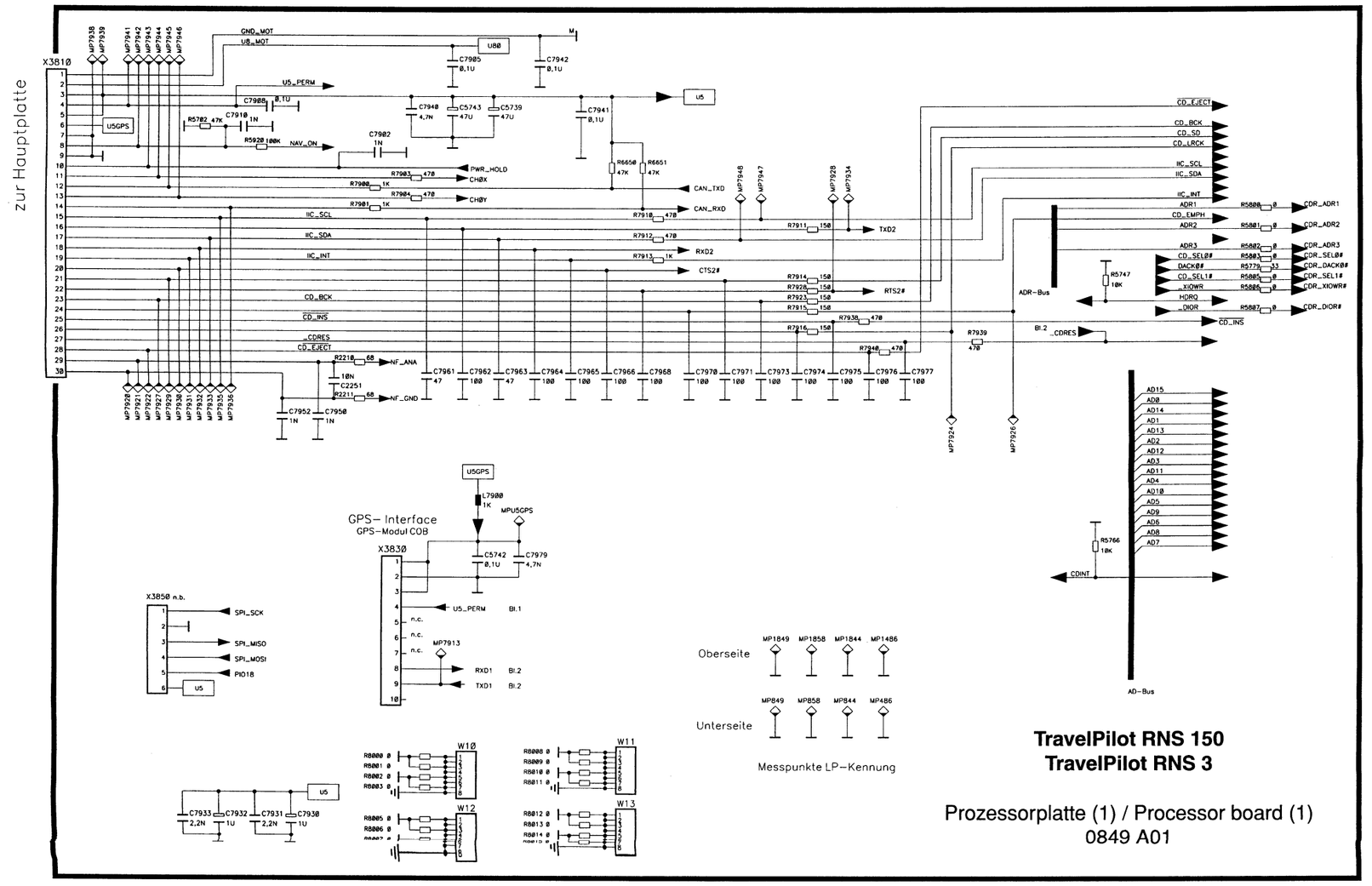
TravelPilot RNS 150
TravelPilot RNS 3

Prozessorplatte (5) / Processor board (5)
0849 A01



TravelPilot RNS 150
TravelPilot RNS 3

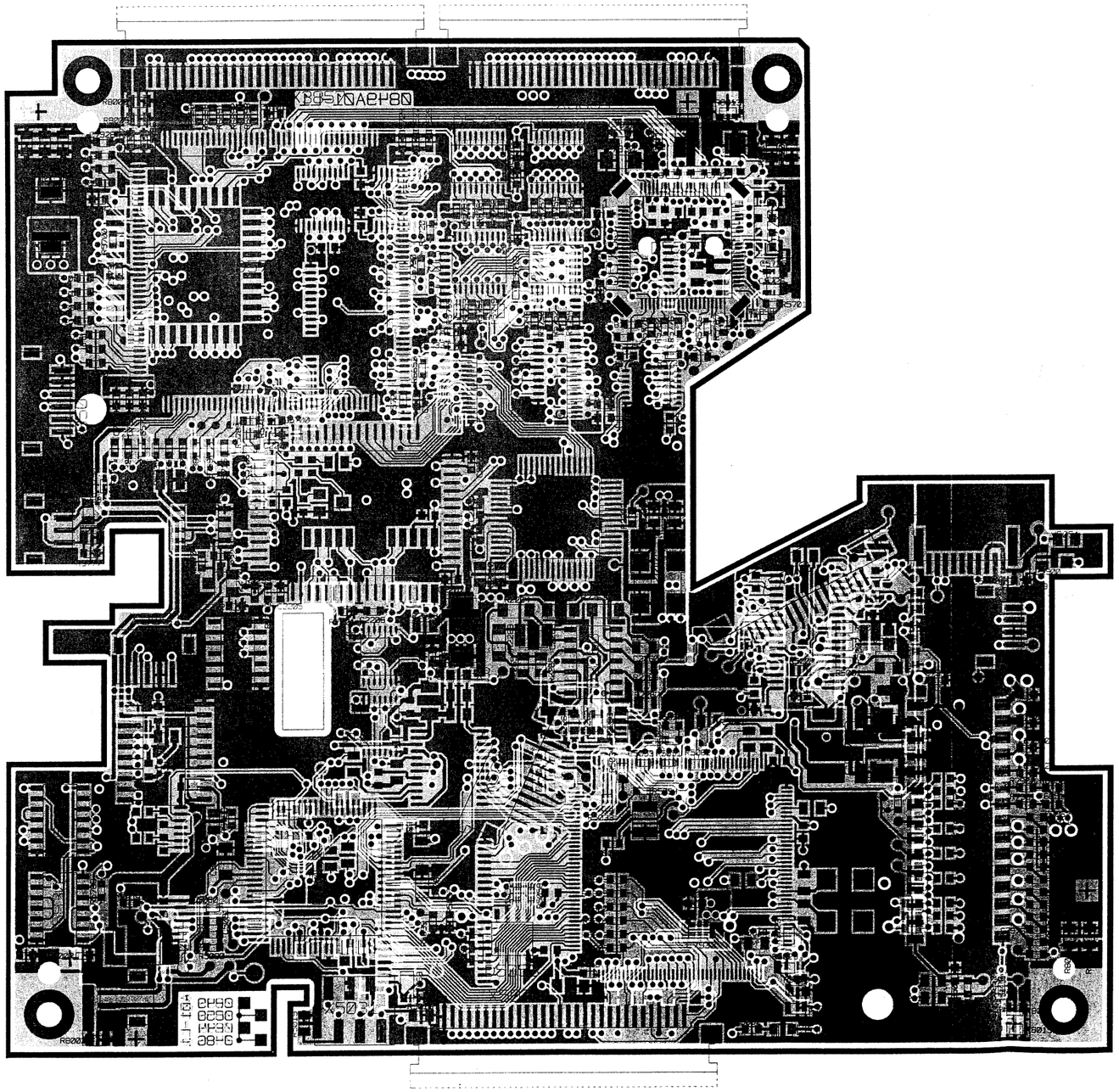
Prozessorplatte (4) / Processor board (4)
0849 A01



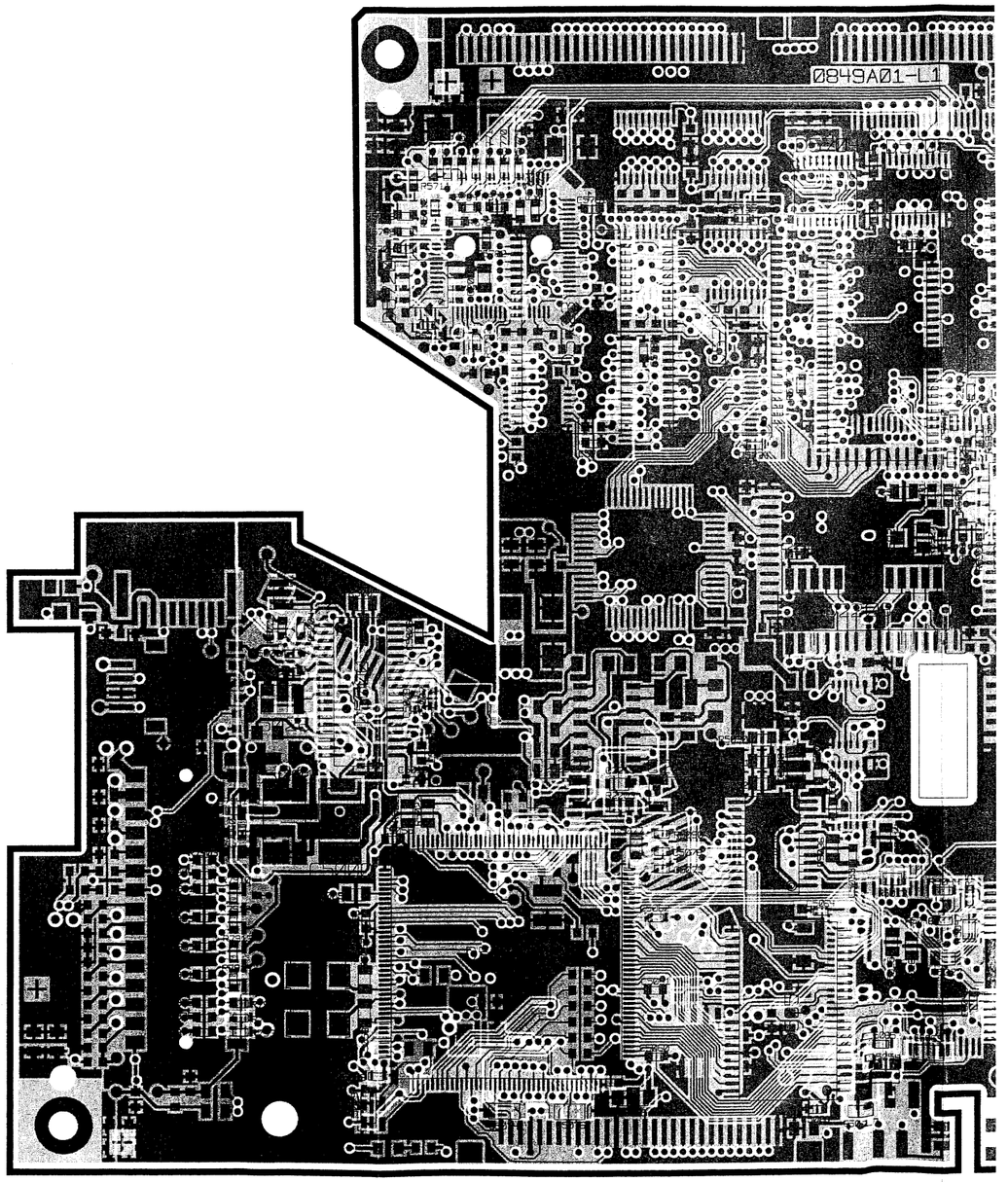
TravelPilot RNS 150
TravelPilot RNS 3

Prozessorplatte (1) / Processor board (1)
0849 A01

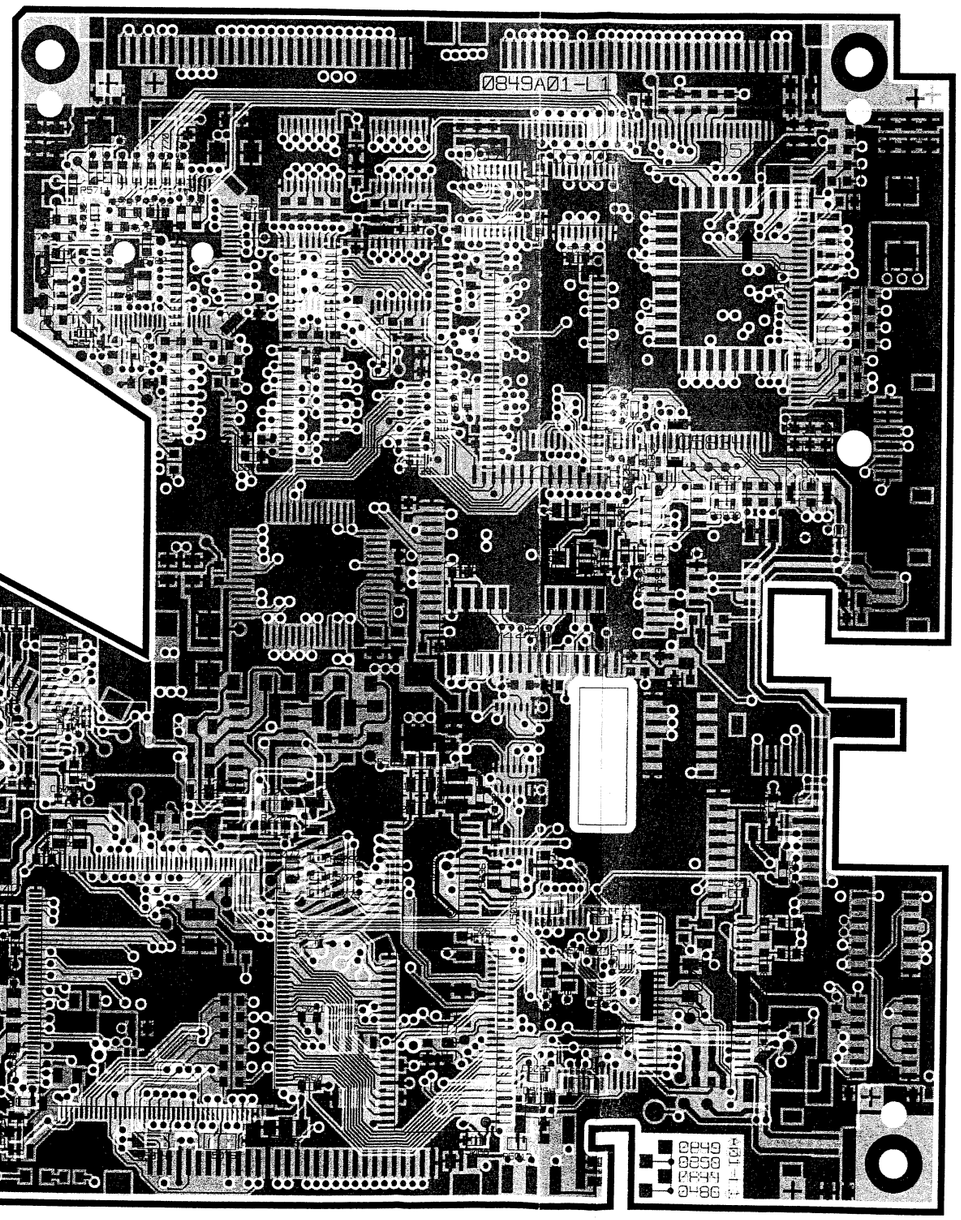
Prozessor-Platte
Processor board
PL 0849 A01
Chip

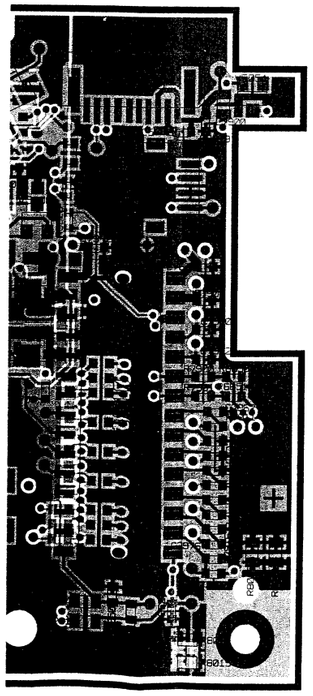


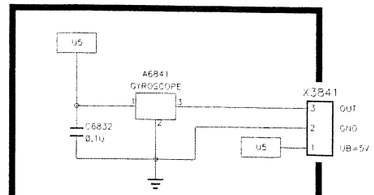
Prozessor-Platte
Processor board
PL 0849 A01
Chip



Prozessor-Platte
Processor board
PL 0849 A01
Chip



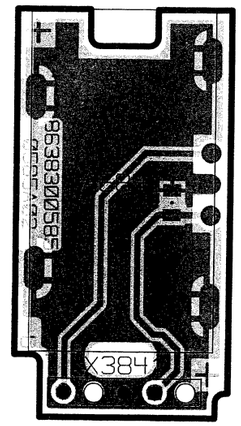




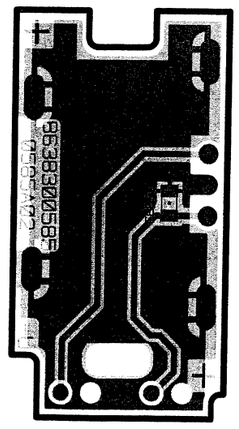
TravelPilot RNS 150
TravelPilot RNS 3

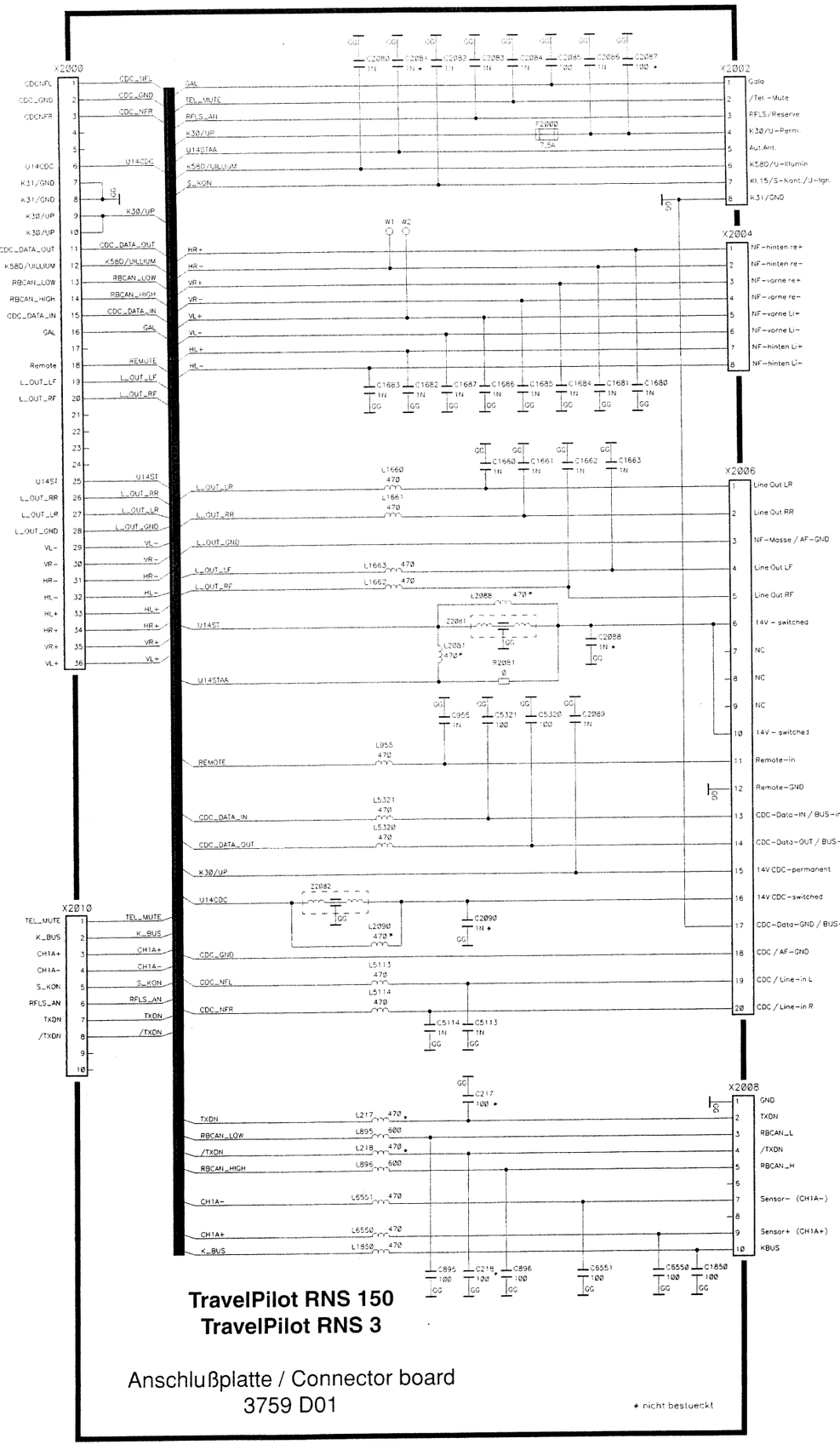
Gyro-Platte / Gyro board
0585 A02

Gyro-Platte
Gyro board
PL 0585 A02



Gyro-Platte
Gyro board
PL 0585 A02
Chip

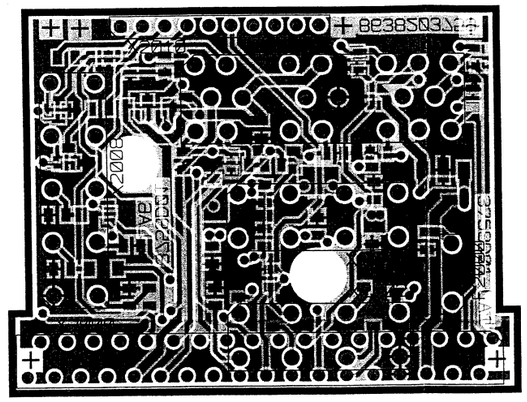




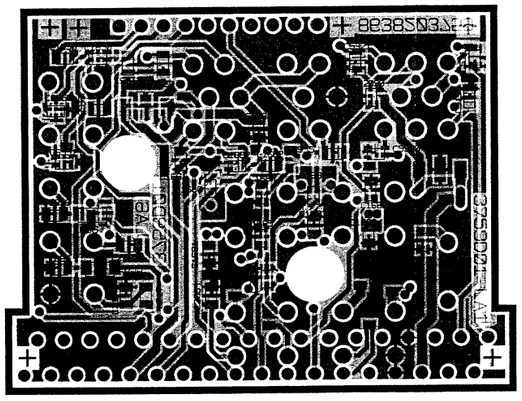
TravelPilot RNS 150
TravelPilot RNS 3

Anschlußplatte / Connector board
3759 D01

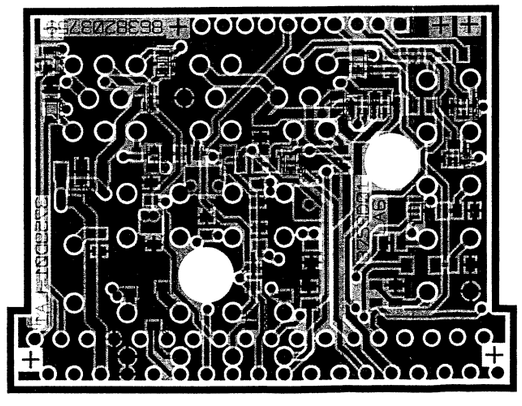
Anschlussplatte
Connector board
PL 3759 D01



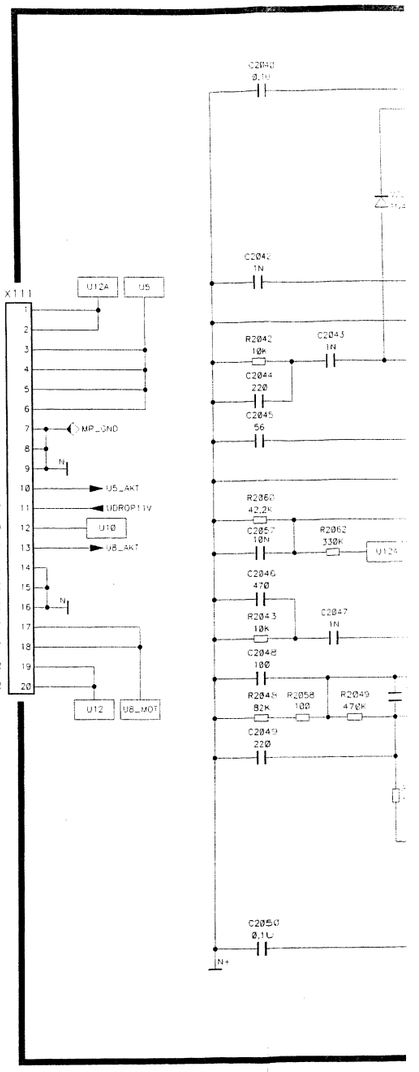
Anschlussplatte
Connector board
PL 3759 D01
Chip



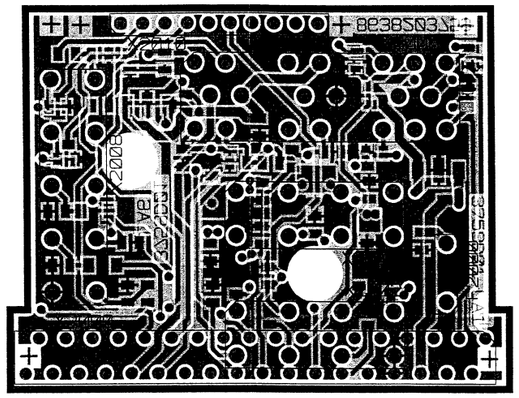
Anschlussplatte
Connector board
PL 3759 D01
Chip



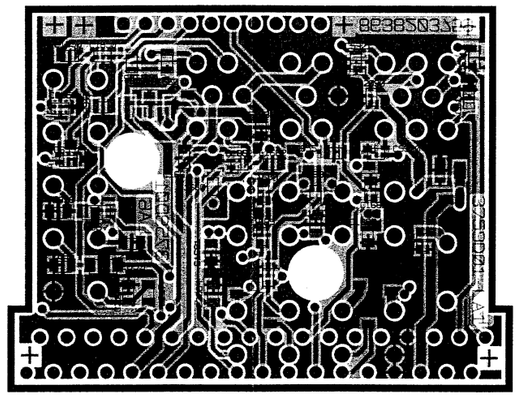
Netzteil
Power board
PL 0277 A13
Chip



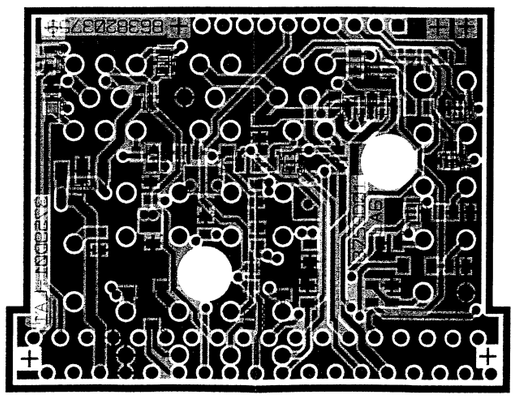
Anschlussplatte
Connector board
PL 3759 D01

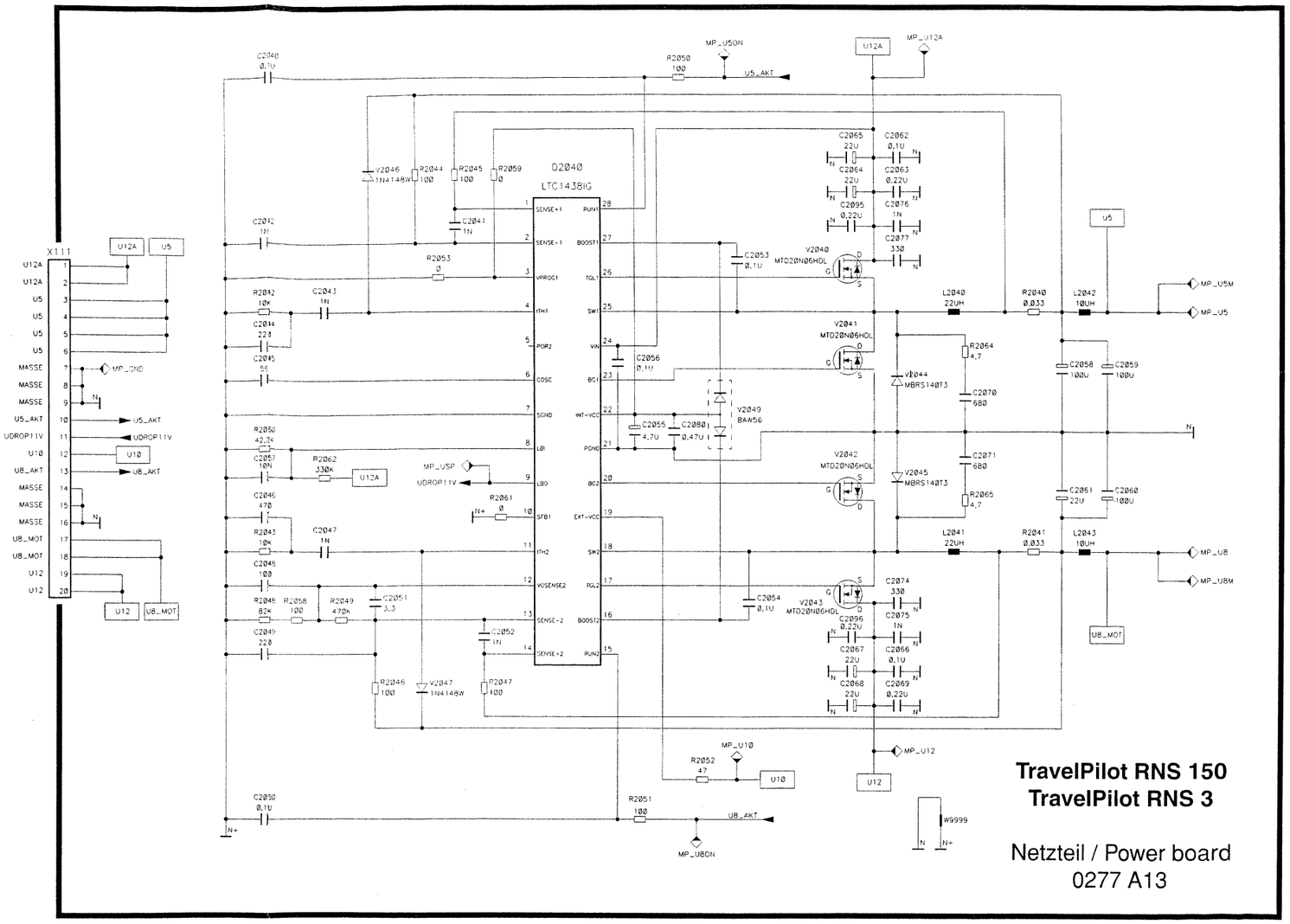


Anschlussplatte
Connector board
PL 3759 D01
Chip



Anschlussplatte
Connector board
PL 3759 D01
Chip

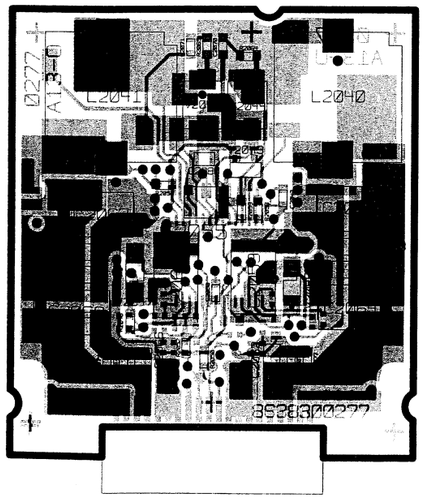




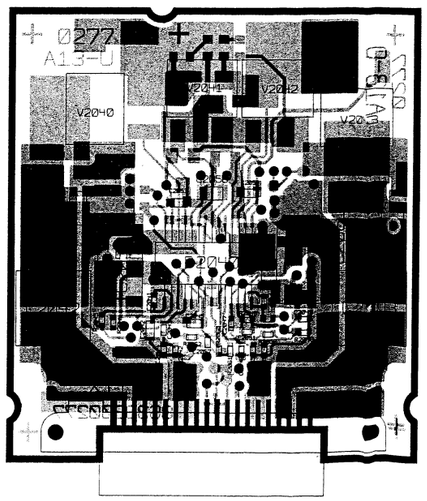
TravelPilot RNS 150
TravelPilot RNS 3

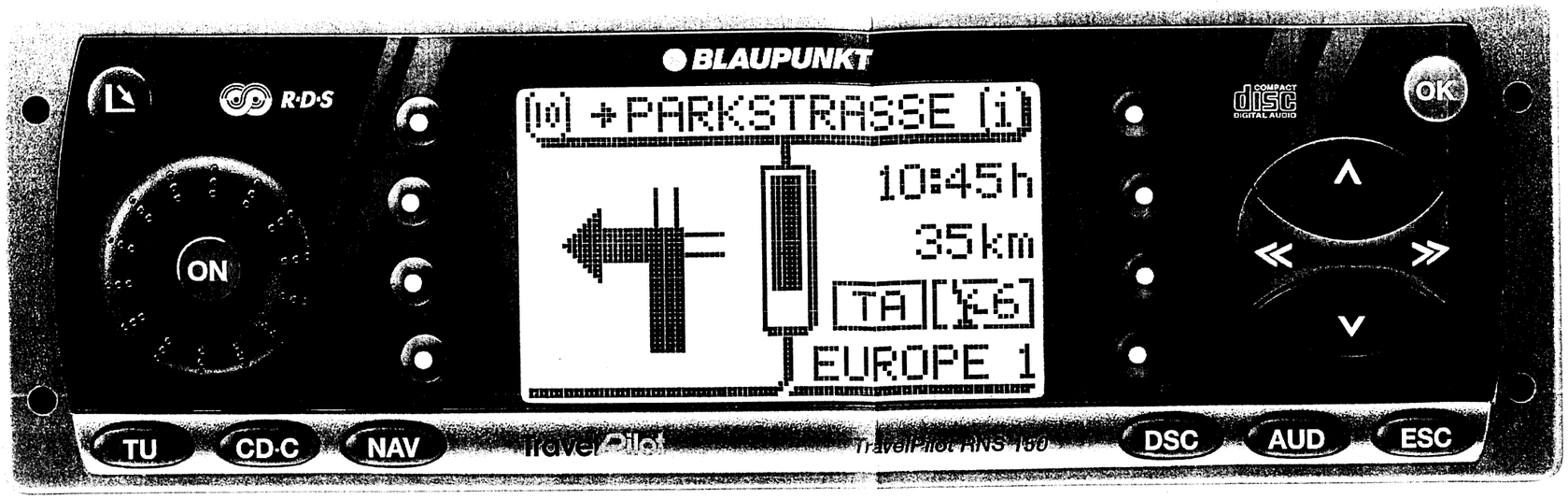
Netzteil / Power board
0277 A13

Netzteil
Power board
PL 0277 A13
Chip

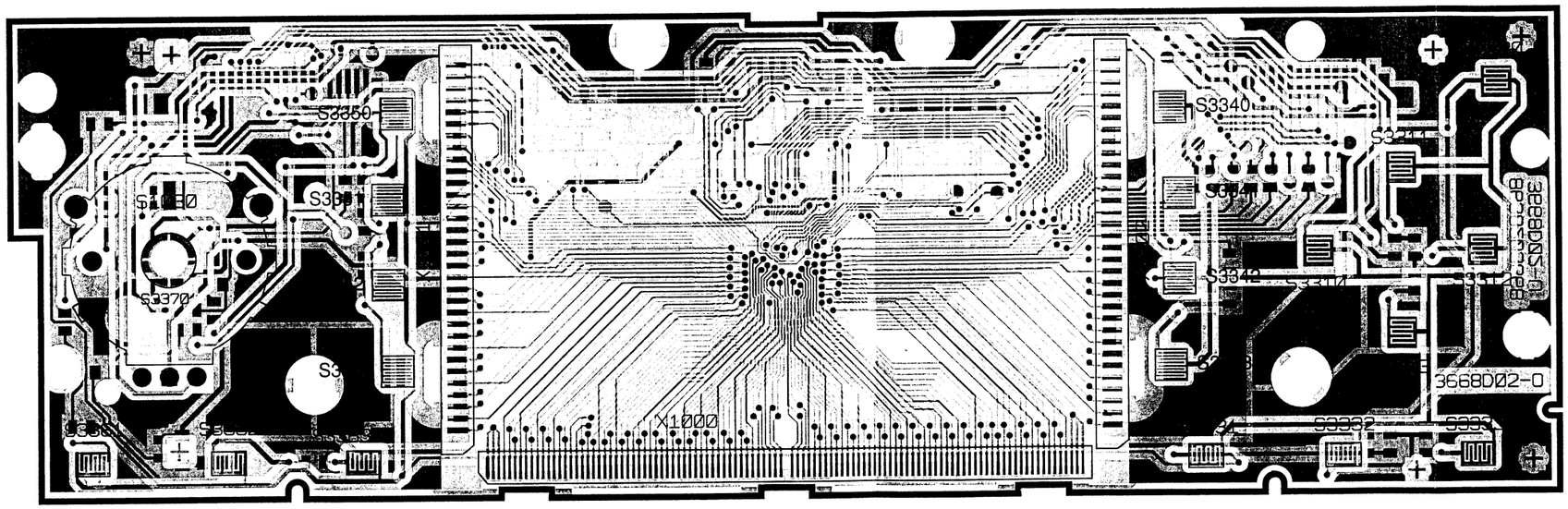


Netzteil
Power board
PL 0277 A13
Chip

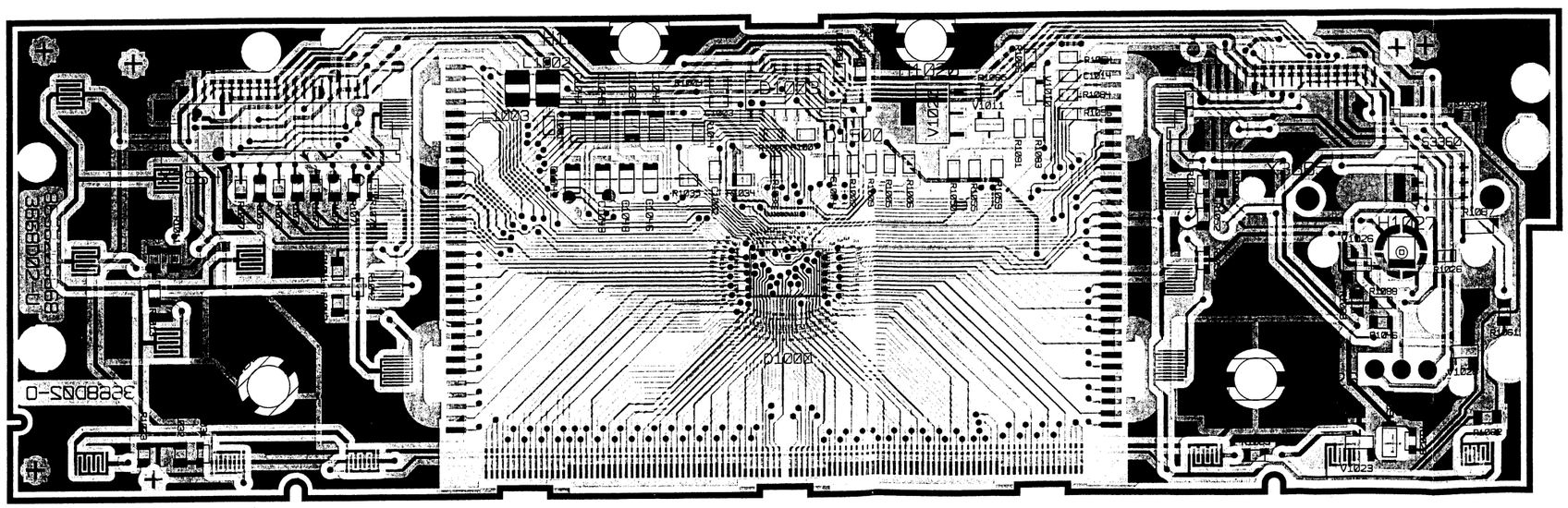


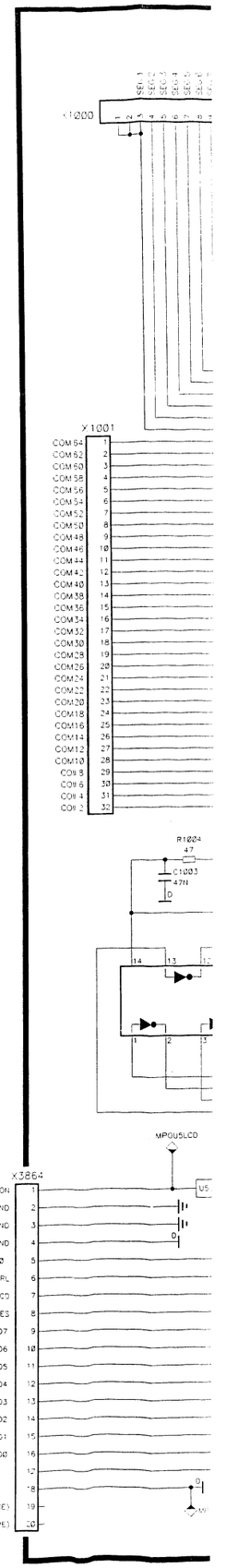


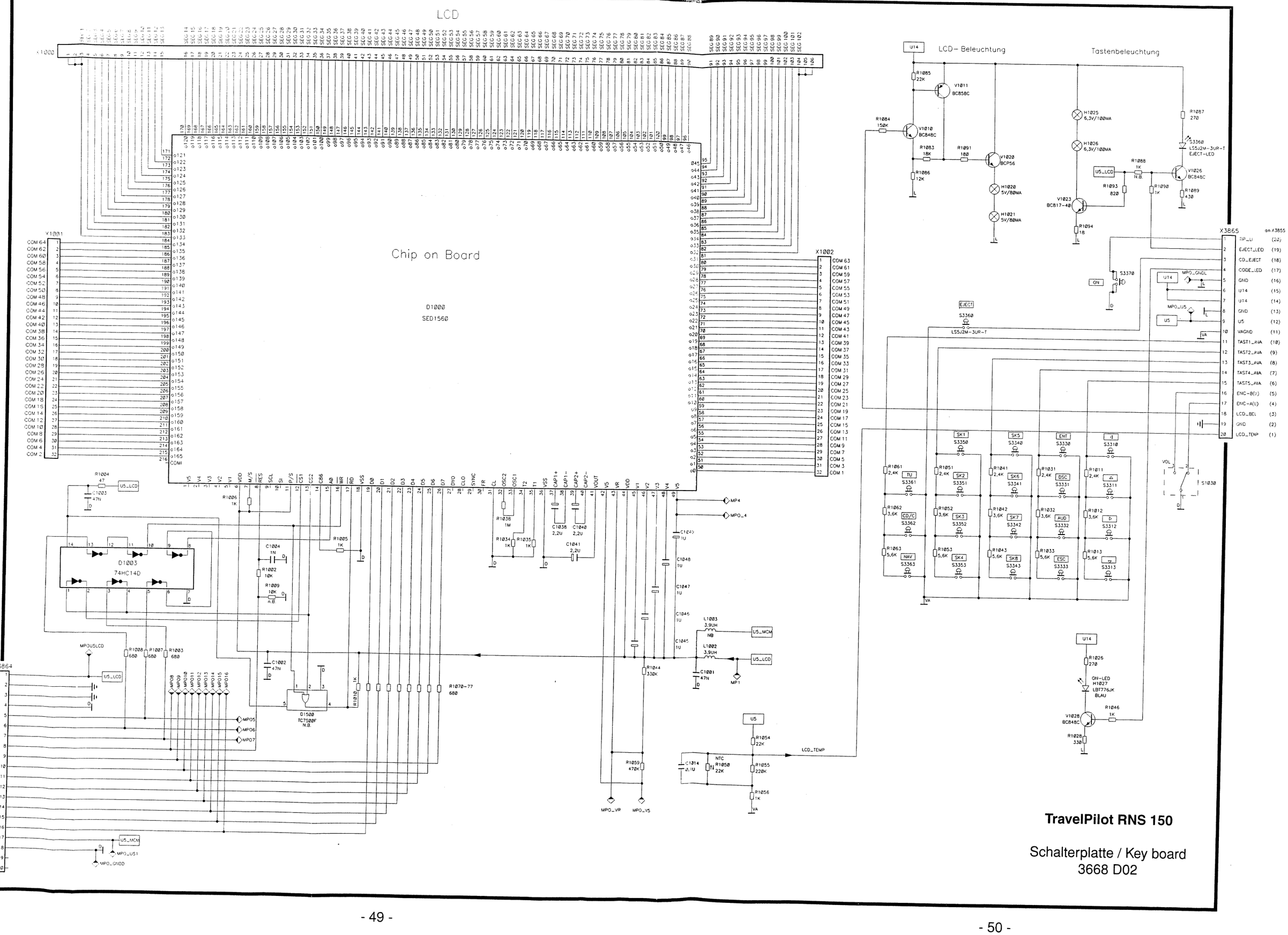
Schalterplatte
Key board
PL 3668 D02
B + Chip

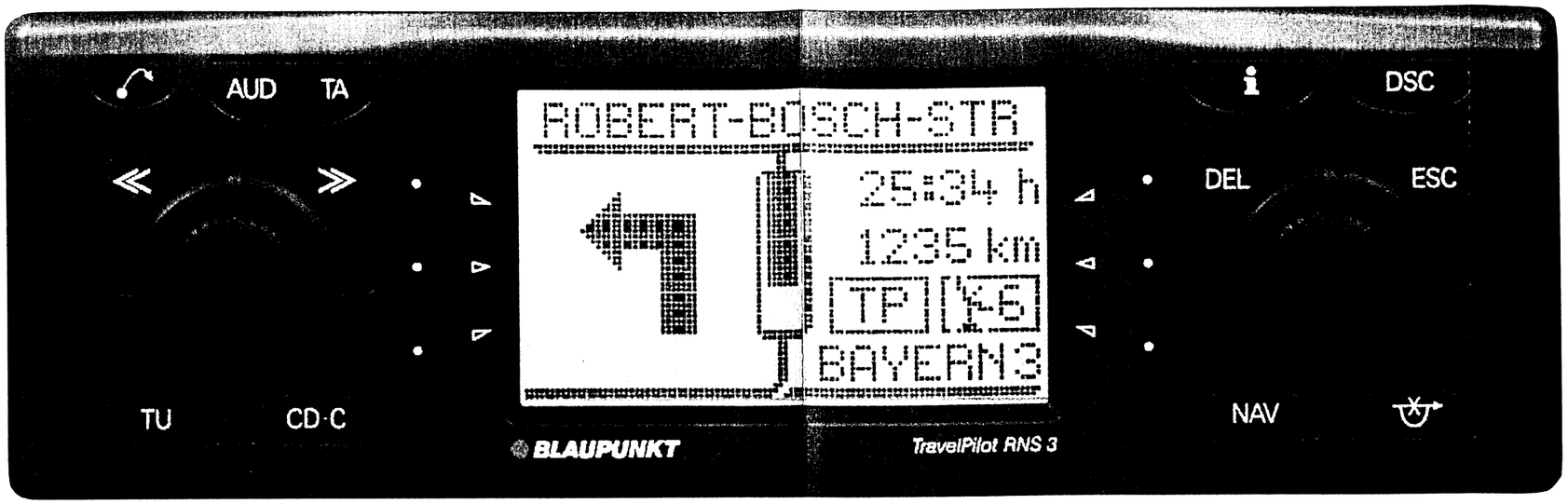


Schalterplatte
Key board
PL 3668 D02
Chip

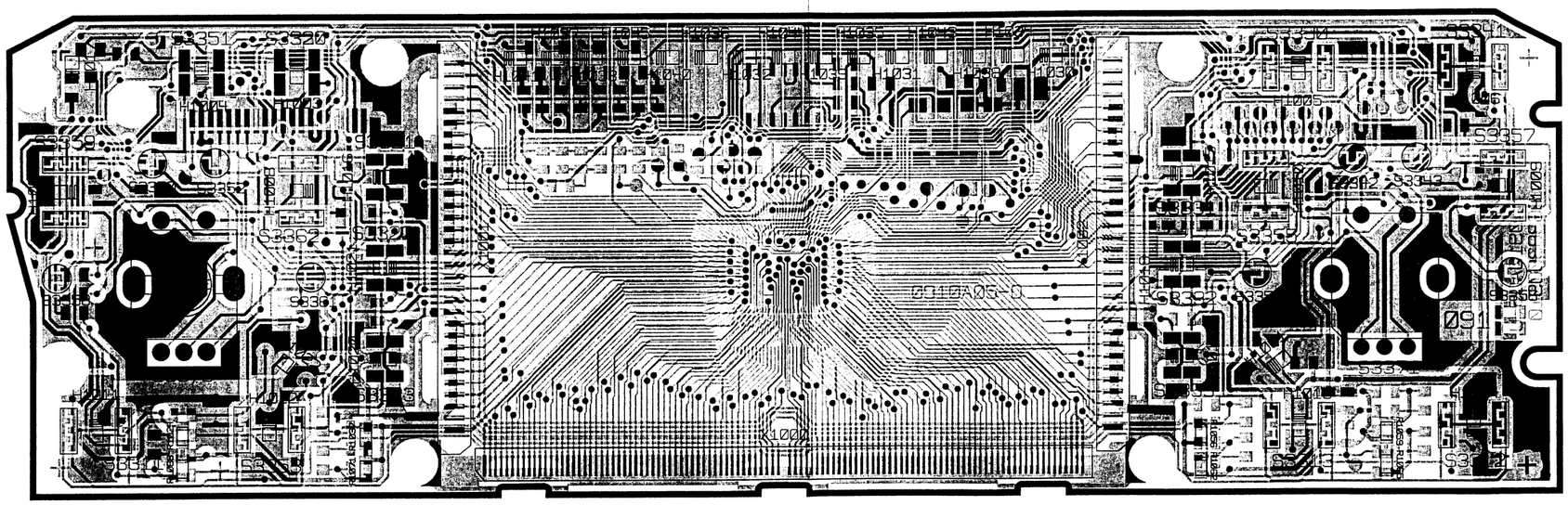




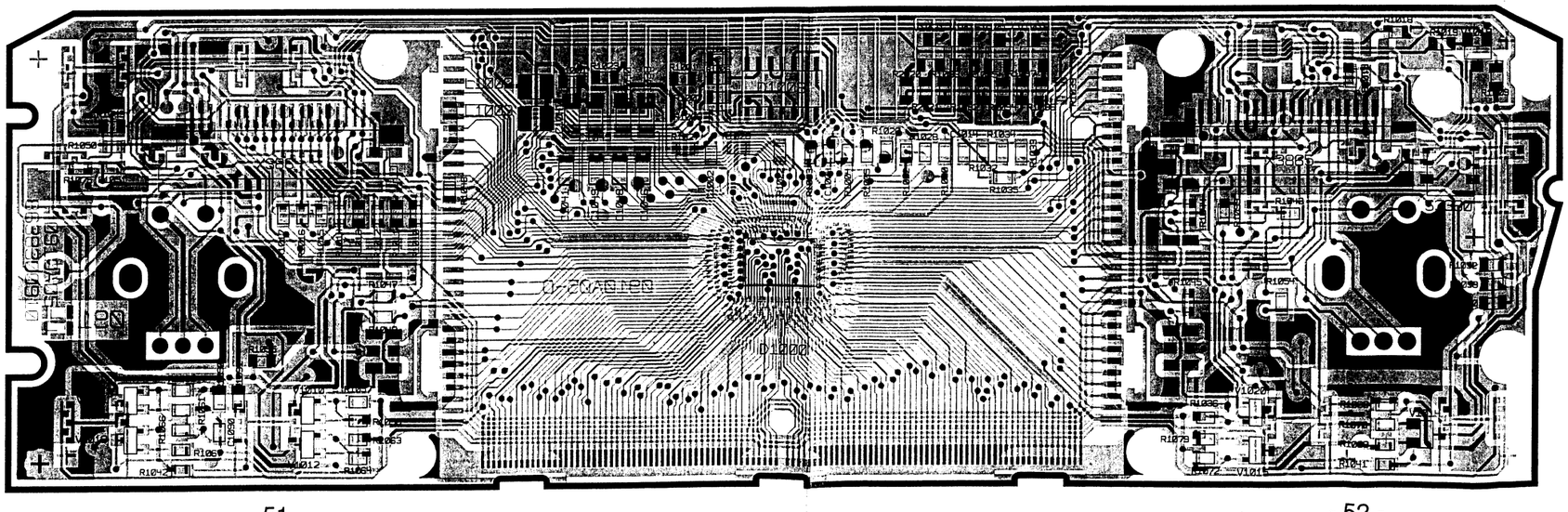

LCD
X1000
Chip on Board
D1000
SED1560
X1001
X1002
D1003
74HC14D
D1500
TC7S08F
N.B.
X3864
X3865
LCD- Beleuchtung
Tastenbeleuchtung
U14
U5_LCD
U5
U5_MCM
EJECT
S3360
LS5J2M-3UR-T
ON
S3370
SK1
S3350
SK2
S3351
SK3
S3352
SK4
S3353
SK5
S3340
SK6
S3341
SK7
S3342
SK8
S3343
ENT
S3330
DSC
S3331
AUD
S3332
ESC
S3333
TU
S3361
CD/C
S3362
NAV
S3363
S3310
S3311
S3312
S3313
S1030
VOL
VA
LCD_TEMP
ON-LED
H1027
LBT776JK
BLAU
TravelPilot RNS 150
Schalterplatte / Key board
3668 D02

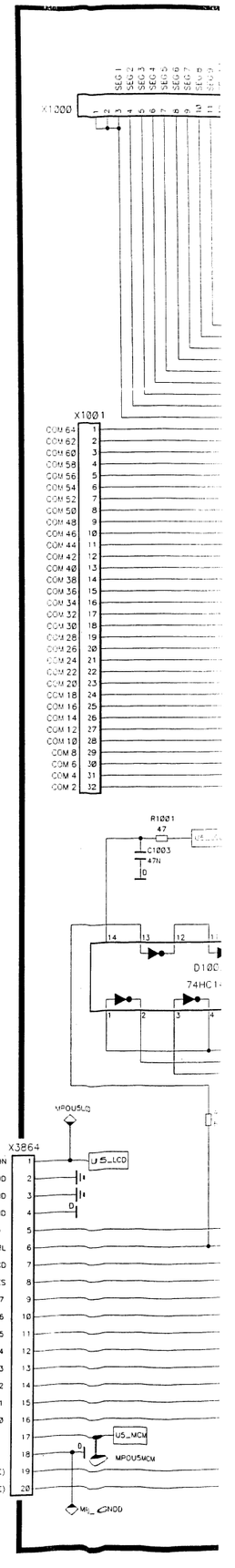


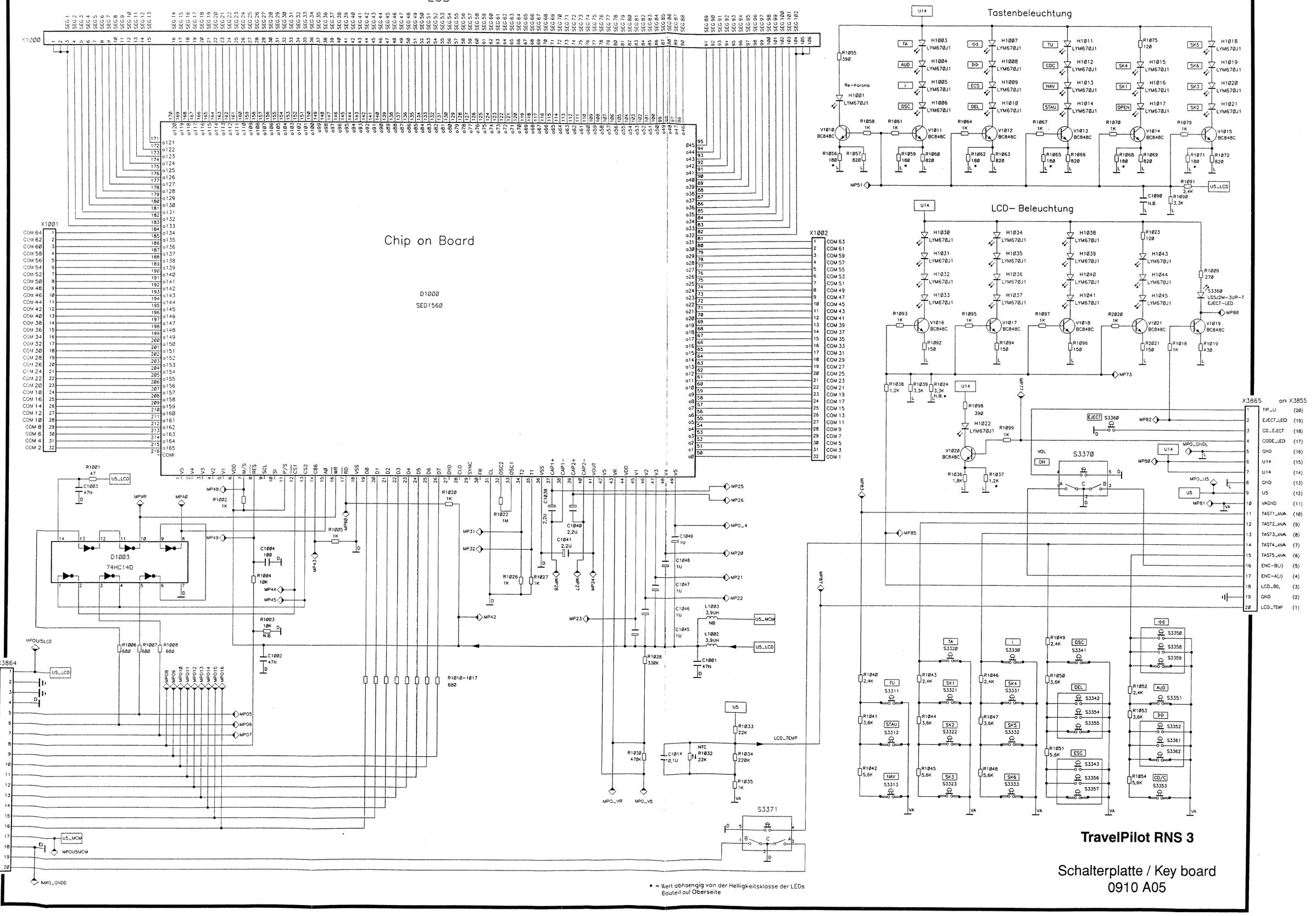
Schalterplatte
Key board
PL 0910 A05
B + Chip



Schalterplatte
Key board
PL 0910 A05
Chip







TravelPilot RNS 3

Schalterplatte / Key board
0910 A05

BLAUPUNKT

Nr. 00.04.17

ServiceInfo

Navigation
TravelPilot RNS 150

(D) Service Konzept 7 612 001 172/173

Allgemeines:	Nachfolger des TravelPilot RNS 149 mit geänderter Software und 4-fach Preamp-Out. Den TravelPilot RNS 150 gibt es in 2 Ausführungen: 7 612 001 172 Silber und 7 612 001 173 Schwarz
Produktbeschreibung:	Navigation im 1 DIN-Einblockgehäuse mit Skyline-Kappe ohne KeyCard mit Voll-DOT-Matrix-Display und MCM, Radio 2 IC-Konzept, BP1-LW mit Navi-Modul C und BP-GPS-Empfänger. Einstellbarer Gyro.
Optimales Zubehör:	CD-Wechsler CDC A 08, IDC A 09, Lenkradfernbedienung RC 06
Anlauftermin D:	Mai 2000
Vertriebsweg:	D, F, I, CH, B, NL, E, P, DK, S, GB
Service-Abwicklung	Es gilt das Servicekonzept vom TravelPilot RNS 149.

Dokumentation:

Bedienungsanleitung	8 622 402 230	D, F, I
Bedienungsanleitung	8 622 402 251	E, P, GB
Bedienungsanleitung	8 622 402 252	S, DK, GB
Bedienungsanleitung	8 622 402 229	NL, F, D
Ersatzteilliste	8 622 402 399	

Rückfragen: RG-KD-Leiter

Ihr Ansprechpartner: K7/VKD2 R. Knackstedt, Tel.: (0 51 21) 49-41 33

Für Ihren internen Verteiler:

X Organisation X Werkstatt X Ersatzteildienst X Navigation Autoradio Verteiler-Nummer: 116, 101
X Verkauf X Einbau DAB Mobile Audio/Video RadioPhone

Blaupunkt-Werke GmbH Hildesheim • K7/VKD • Robert Bosch-Str. 200 • 31139 Hildesheim • Tel.: (0 51 21) 49-0 Fax. (0 51 21) 49-40 82

(GB) Service Concept 7 612 001 172/173

General:

Successor to the TravelPilot RNS 149 with altered software and 4 preamp-outs.

The TravelPilot RNS 150 is available in two versions:
7 612 001 172 silver and 7 612 001 173 black

Product description:

Navigation unit in 1 DIN single-unit casing with Skyline cover, without keycard, with full dot matrix display and MCM, radio 2IC concept, BP1-LW with navigation module C and BP GPS receiver.
Adjustable gyro.

Optional accessories:

CD changer CDC A 08, IDC A 09, steering wheel remote control RC 06

Launch date D:

May 2000

Distribution channels:

D, F, I, CH, B, NL, E, P, DK, S, GB

Service handling:

The service concept for the TravelPilot RNS 149 applies.

Documentation:

Operating instructions	8 622 402 230	D, F, I
Operating instructions	8 622 402 251	E, P, GB
Operating instructions	8 622 402 252	S, DK, GB
Operating instructions	8 622 402 229	NL, F, D
Replacement parts list	8 622 402 399	

Queries:

RG-KD manager

ⓘ Concetto per il servizio di assistenza tecnica 7 612 001 172/173

Note generali:

Successore del TravelPilot RNS 149con software particolare e con 4 Preamp-Out.

Il TravelPilot RNS 150 viene fornito in 2 esecuzioni:
7 612 001 172 argento e 7 612 001 173 oro.

Descrizione di prodotto:

Sistema di navigazione in 1 scatola DIN monoblocco con calotta skyline, senza KC (KeyCard), con display a complete matrici DOT e MCM, radio concetto 2IC, BP1-LW con modulo di navigazione C e ricevitore BP-GPS. Giroscopio regolabile.

Accessori optional:

Multilettore CD CDC A 08, IDC A 09. telecomando da volante RC 06

Immissione sul mercato D:

Maggio 2000

Vie distributive:

D, F, I, CH, B, NL, E, P, DK, S, GB

Svolgimento del servizio di assistenza tecnica:

Vale il concetto di servizio di assistenza tecnica concepito per il TravelPilot 149.

Documentazione:

Istruzioni d'uso	8 622 402 230	D, F, I
Istruzioni d'uso	8 622 402 251	E, P, GB
Istruzioni d'uso	8 622 402 252	S, DK, GB
Istruzioni d'uso	8 622 402 229	NL, F, D
Elenco pezzi di ricambio	8 622 402 399	

Per chiarimenti:

Direttore RG-KD

Ⓕ Concept de service après-vente 7 612 001 172/173

Généralités:	Successeur du TravelPilot RNS 149 offrant un logiciel spécifique et 4 x sortie préampli. Le TravelPilot 150 est disponible en deux versions: 7 612 001 172 argenté et 7 612 001 173 noir.
Description du produit:	Navigation en un boîtier mono-bloc de format DIN 1 avec cache Skyline sans KeyCard, écran entièrement matriciel et MCM, concept 2IC radio, BPI-LW avec module de navigation C et récepteur GPS BP. Gyroscope réglable.
Options:	Changeur CD CDC A 08, IDC A 09, télécommande au volant RC 06
Date de lancement en Allemagne:	Mai 2000
Vente:	D, F, I, CH, B, NL, E, P, DK, S, GB
Déroulement du service après-vente:	Concept de service après-vente du TravelPilot RNS 149

Documentation:

Manuel d'emploi	8 622 402 230	D, F, I
Manuel d'emploi	8 622 402 251	E, P, GB
Manuel d'emploi	8 622 402 252	S, DK, GB
Manuel d'emploi	8 622 402 229	NL, F, D
Liste de pièces détachées	8 622 402 399	

Pour tout renseignement, contactez le directeur KD RG.